AD-A252 962

ESL-TR-08-63 VOL III - PANTI 4



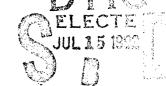
FULL-SCALE INCINERATION SYSTEM DEMONSTRATION VERIFICATION TEST BURNS AT THE NAVAL BATTALION GON-STRUCTION CENTER, GULFPORT, MEG-SISSIPPI - VOL III: TREATABILITY TESTS PART 4

D. J. HALEY, R. W. THOMAS, D. B. DERRINGTON, JR.

EG&G IDAHO, INC. P. O. BOX 1625 IDAHO FALLS ID 83415

JULY 1991

FINAL REPORT



SEPTEMBER 1985 - FEBRUARY 1909

APPROVED FOR PUBLIC RELEASE: DISTRIBUTION UNLIMITED



AM FORCE ENGINEETHED & SEGVICES OF EMGINEERING & STRVEGGO LARGUAYOUT TYMDALL AIR FORGE CASE, PLOVIDA (S.

NOTICE

The following commercial products (requiring Trademark®) are mentioned in this report. If it becomes necessary to reproduce any segment of this document containing any of these names, this notice must be included as part of that reproduction.

Eagle One® Lotus® Ziploc® XAD® Molylub® Gunnite®

PROMISE.

Mention of the products listed above does not constitute Air Force or EGAG, Idaho, Inc. endorsement or rejection of this product, and use of information contained herein for advertising purposes without obtaining clearance according to existing contractual agreement is prohibited.

DISCLAIMER

This book was prepared as an economical work sponsored by an agency of this United States Government, Neither the United States Government not any agency thereof, nor any of their employees, makes any eventanty, aspress or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparents, product or information, decimal that his use event not infringe privately owned rights. Beforemins to any apecific commissional product, process, or service by reade came, trademark, manufactures, or observed rights in a content, manufactures, or observed by trade came, trademark, manufactures, or observed by the Counted States Government is any agency thereof those of the Counted States Government or any agency thereof.

UNCLASSIFIED

SECURITY CLASS FICATION OF THIS PAGE						
REPORT	DOCUMENTATIO	N PAGE				ipproved 10 0704-0188
1a. REPORT SECURITY CLASSIFICATION		16. RESTRICTIVE MARKINGS				
2a. SECURITY CLASSIFICATION AUTHORITY		3. DISTRIBUTION/AVAILABILITY OF REPORT				
26. DECLASSIFICATION/DOWNGRADING SCHEDU	JLE		ed for Publoution Unli		ase	
4. PERFORMING ORGANIZATION REPORT NUMB	ER(S)	S. MONITORING	ORGANIZATION	REPORT N	UMBER(S)	
•		ESL-	-TR-89-39. V	Vol III	- Part	· · · · · · · · · · · · · · · · · · ·
63. NAME OF PERFORMING ORGANIZATION	6b OFFICE SYMBOL (If applicable)	7a. NAME OF N	ORO DNIROTINO	ANIZATION	V	
EG&G Idaho, Inc.	(II applicable)					
6c. ADDRESS (City, State, and ZIP Code)		7b. ADDRESS (C	ity, State, and Zi	IP Code)		
P. O. Box 1625 Idaho Falls, ID 83415						
8a NAME OF FUNDING/SPONSORING ORGANIZATION	85 OFFICE SYMBOL (If applicable)	3 PROCUREMEN	NT INSTRUMENT	IDENTIFICA	TION NUM	EER
HQ AFESC	RDVA					
Bc. ADDRESS (City, State, and ZIP Code)		PROGRAM	FUNDING NUMB	TASK		WORK UNIT
HQ AFESC/RDVW Tyndall AFB FL 32403-6001		ELEMENT NO	NO	NO		ACCESSION NO.
Full-Scale Incineration System Battalion Construction Center, 12 PERSONAL AUTHOR(S) D.J. Haley, R.W. Thomas, D.B. 13a TYPE OF REPORT Final	, Gulfport, Miss Derrington, Jr.	issippi: Tr	CRT (Year, Mont.	Tests,		
16. SUPPLEMENTARY NOTATION 17. COSATI CODES FIELD GROUP SUB-GROUP	18 SUBJECT TERMS (Herbicide Or Dioxin Incineration	ange	se if necessary a	nd identify	by block	number)
This technical report is divided into eight volumes. This portion of the report comprises Volume II, which is further subdivided into 5 parts, including the appendixes. This volume describes the verification test burns conducted on a 100 ton/day mobile incinerator that was used to process soil contamination with the constituents of Herbicide Orange, namely 2,4,5-T, 2,4-D, and trace quantities of dioxin. The demonstration was conducted at the Naval Construction Battalion Center in Gulfport, Mississippi. This volume provides specific details concerning the planning efforts and data results from the test burns. Project managers and field engineers responsible for planning and implementation of hazardous waste remedial actions should find the information contained herein very useful.						
20 DISTRAUTION/AVAILABILITY OF ABSTRACT BUNCLASSIFIED UNLIMITED SAME AS:	PPT DTIC USERS	21 ABSTRACT SE Unclassi	fied		T. C. C. C. C. C.	
MICHAEL L. SHELDEY, Mador, USAF	,	(204) 28		de) 22c O		# U L
DD Form 1473, JUN 35	Previous editions are	ergenbette dette yeksemen " - speatrett kenn	ACTION OF THE STATE OF THE STAT	Y CLASSIFIC	CANED AND LANGUE AND LANGUE AND ADDRESS OF THE PARTY OF T	THIS PAGE

PREFACE

This report was prepared by EG&G Idaho, Inc., P. O. Box 1625, Idaho Falls, ID 83415, under Job Order Number (JON) 2103 9027, for the Air Force Engineering and Services Center, Engineering and Services Laboratory, Tyndall Air Force Base, Florida 32403-6001.

This port summarizes work done between September 1986 and December Terry Stoddart and Major Michael L. Shelley were the AFESC/RDVS 1986. Mad Project Of trs.

The information contained in this volume describes the events, the planning efforts, and the data results of a test burn conducted on a 100 ton/day mobile incinerator that was used to process soil contaminated with constituents of herbicide orange. This volume is subdivided into five parts; Part 1 contains the final report on the verification test burns, Parts 2 through 5 contain the appendixes. Volumes I and III through VIII describe the incinerator operations, the soil excavation activities, and the additional testing required by the Environmental Protection Agency.

This report has been reviewed by the Public Affairs Office (PA) and is releasable to the general public, including foreign nationals.

This report has been reviewed and is approved for publication.

Tilling MICHAEL L SHELLEY, Maj, USAF, BSC

Chief, Environmental Actions R&D

Director, Engineering and Services

Laboratory

NEIL J. LAMB, Lt Col, USAF, BSC

Chief, Environics Division

LIST OF APPENDIXES

Appendi	x	Title	Page
T		AND SIGNIFICANT DATA SHEETS FROM ITAS ORGANIC AND ANALYTICAL REPORT.	773

Acce	ssion For	
DTIC		
Unan. Just	nounced ification_	
Ву		
	ibution/ lability C	odes
Dist	Avail and/ Special	or
9-11		
		%

(The reverse of this page is blank.)

APPENDIX T

NARRATIVE AND SIGNIFICANT DATA SHEETS FROM ITAS ORGANIC AND INORGANIC ANALYTICAL REPORT

The document contained in this appendix is the detailed analytical report provided by the analytical laboratory used for the analysis of the samples collected during the Verification Test Burns at NCBC. This document was reproduced from the best available copy. Due to poor legibility, the legibility of the microfiche edition is also poor. Persons requiring the information contained in this appendix may write to the technical libraries listed below to obtain photocopied versions of the appendix. A nominal charge will be levied to cover reproduction and archival costs. Please be prepared to provide the following information:

Report Title: Full-Scale Incineration System Demonstration

Verification Test Burns at the Naval Construction Battalion Center, Gulfport, Mississippi: Treatability

Tests

Report Number: ELS-TR-88-61, Volume: II, Part: 4, Appendix: T

Send inquiries to: Technical Library

Engineering and Services Laboratory Tyndall Air Force Base, FL 32403

or

Technical Library

Idaho National Engineering Laboratory

EG&G Idaho, Inc. P.O. Box 1625

Idaho Falls, ID 83415-2300

The documents contained in this appendix were published according to their own internal style, which deviates from the Air Force Engineering Services Center format. They have, therefore, been published without editing.

PART 4 APPENDIX T

CONTENTS

Exhibit	1	Introduction and Sample Identification List	776
Exhibit	2	Summary of Methods	784
Exhibit	3	Polynuclear Aromatic Hydrocarbon Analysis Data Summary	786
Exhibit	4	Base Neutral/Acid Analysis Data Summary	830
Exhibit	5	Toxaphene/PCB's/Herbicides Analysis Data Summary	947
Exhibit	6	Metals Analysis Data Summary	1020
Exhibit	7	VOST Analysis Data Summary	1052
Exhibit	8	Other Miscellaneous Analyses	1110

Appendix T, Exhibit 1

Introduction and Sample Identification List

INTRODUCTION

Enclosures

Enclosed are the results for samples associated with the USAF NC8C Full Scale Demo - 12/86. The analytical data summaries are contained in this report. The raw data associated with this report is contained in additional volumes. The raw data is grouped by analysis type. Within volumes the data is grouped by project code.

Volume 1 - Metals Analysis Raw Data

Volume 2 - BNA/VOST/Toxaphene/PCB Analysis Raw Data

Volume 3 - PAH Analysis Raw Data

Volume 4 - Herbicide Analysis Raw Data

Volume 5 - Inorganic Analysis Raw Data Laboratory Bench Sheets

Sample Receipt Summary

The samples associated with this project were received in three shipments. Samples were received on December 9,17, and 18, 1986. The samples received included 12 water samples, 5 stack samples plus associated blanks, 16 YOST pairs, and 10 air filters. Sample identifications and test assignments are summarized on the following pages.

IT ANALYTICAL SERVICES LIMS/2000 DATABASE

EGAG - BASE NUETRAL/ACID ANALYSIS PRODUCED ON 01/17/87 AT 14:42 PAGE 1 PROJECT SAMPLE # CLIENT # SAM. TYPE EGG23548 AA5828 ENT-B 01 AA5 829 ENT-1 01 AA5 830 ENT-2 01 EGG23549 AA5844 VB-1-F 63 VB-2-F AA5845 63 AA5846 VB-3-F 63 AA5847 VB-1-XAD 61 AA5848 VB-1-PW 12 AA5849 VB-1-C 12 AA5850 VB-2-XAD 61 VB-2-PW 12 AA5851 AA5852 VB-2-C 12 AA5853 VB-3-XAD 61 AA5 854 VB-3-PW 12 AA5 855 VB-3-C 12 FS-1 EGG23550 AA5888 31 AA5889 FS-2 31 AA5 890 FS-3 31 AA5891 AD-1 31 AA5832 AD-2 31 AA5893 AD-3 31 AA5894 FS-1 QC 31 AA5895 FS-1 QC 31 EGG23609 AA6414 FS-6 31 AA6415 AD-6 31 AA6416 FS-5 31 AD-5 AA6417 31 AA6418 AD-5 AA6419 AD-5 AA6445 BS-1 31 EGG23610 AA6451 ENT 5 AA6457 ENT 6 AA6460 POTW 01 AA5464 CA 01 WB1 AA6470 01 ECG23612 AA6487 XAD Blank 61 VB-5-XAD **AA6488** 61 AA6489 VB-5-PW 12 AA6490 VB-5-C 12 61 AA6491 VB-6-XAD AA6492 VB-6-PW 12 AA6493 VB-6-C 12 AA6512 VB-5-F 63 VB-6-F 63 AA6513

SAM. TYPE - 01=WATER, 31=SOIL, 12,61,63=STACK COMPONENTS

AA6814 T Blk 7y1, ReagentBlk 12

Polynuclear Archatic Hydrocarbons Analysis Data Summary

EGG 23550

Samples AA5912 (FS-1), AA5913 (FS-2), AA5918 (FS-1 QC) and AA5919 (FS-1 QC) were filtered using an 0.45 u syringe filter before injection onto the HPLC column. Due to the matrix of the samples they were prepped and concentrated to approximately five milliliters in acetone. They were then brought to a 10 ml volume using HPLC grade acetonitrile. Samples AA5913, AA5918, and AA5919 could be injected on column at no lower a concentration then one to ten milliliters. This plus the initial high volume of extract multiplied the detection limit by a factor of one hundred.

These samples were also calculated on a wet weight basis.

EGG 23609

Samples AA6432 (FS-6) and AA6434 (FS-5) could be injected at no lower a dilution than one to one hundred due to matrix problems. The samples contained an "Impurity" which adhered to the HPLC column and required prolonged organic solvent flushs to remove it, although even after subsequent removal and reconditioning, column efficiency was diminishri. At this dilution the problem was not so severe.

This high dilution combined with the larger extract volume (10 ml) raised the detection limit by a factor of one thousand.

concentrated to a volume of 1.0ml with a K-D apparatus. The extract was cleaned up using a micro alumina column, solvent exchanged into hexane, and concentrated back to 1.0ml.

Low Concentration Soil - A 30 gram portion of sample was mixed with 30 grams of anhydrous sodium sulfate in a beaker. The sample was spiked with surrogate standards and triple extracted with 1:1 methylene chloride/acetone using an ultrasonic probe. The extracts were filtered, combined and concentrated to a volume of 10ml with a K-O apparatus. The 10ml extract was split into two fractions. One fraction (9.5ml) was concentrated to a volume of .95ml for GC/MS analysis of BNA's. The other fraction (0.5ml) was solvent exchanged into hexane, cleaned up using a micro alumina column, brought to a volume of 1.0ml, and analyzed by GC/EC for pesticides/PC8's.

Medium Concentration Soil - A 1.0 gram portion of sample was mixed with 2.0 grams of anhydrous sodium sulfate in a beaker. The sample was spiked with surrogate standard and extracted with Hexane using an ultrasonic probe. The extract were filtered through glass wool and 1.0 ml was concentrated to a volume of 0.5 ml using nitrogen. 0.5ml of Acetone was added and the extract was then cleaned up using a micro alumina column, solvent exchanged into hexane, and concentrated to a volume of 1.0ml.

Sample Analysis

GC/MS Analysis of Volatiles - The samples were analyzed by purge and trap GC/MS In accordance with the EPA CLP Statement of Work, 7/85 revision. The column used for this analysis was a 6 ft x 4mm i.D. glass column packed with 1\$ SP-1000 on 60/80 mesh Carbopack B. The column was interfaced to the ion source by a glass jet separator. The ion source was operated in the El mode with an electron energy of 70eV. The quadrupole filter was scanned from 35 to 300 amu in 2.0 seconds. Prior to sample analysis, the system was tuned to meet EPA criteria for a 50ng injection of BFB. The tuning was checked every 12 hour shift. An initial five-point calibration was run and the mean response factor (RF) and percent relative standard deviation (\$RSD) calculated for each compound. The system performance check compounds (SPCC's) had mean RF's > 0.300 (0.250 for Bromoform). The calibration check compounds (CCC's) had \$RSD's < 30\$. A continuing calibration standard was analyzed every 12 hour shift. The SPCC's had RF's > 0.300 (0.250 for Bromoform) and the CCC's had a percent difference (\$D) of < 25\$.

GC/MS Analysis of Extractables (Base/Neutrals and Acids) — The sample extracts were analyzed by FSCC-GC/MS in accordance with the EPA CLP Statement of Work, 7/85 revision. The column used for this analysis was a 30m CB-5 fused silica capillary column with a 0.32mm i.D. and 1.0 micron film thickness. The column was connected directly to the ion source. The ion source was operated in the EI mode with an electron energy of 70eV. The quadrupole filter was scanned from 35 to 500 amu in 1.0 seconds. Prior to sample analysis, the system was funed to meet EPA criteria for a 50ng injection of DFTPP. The tuning was checked every 12 hour shift. An initial five-point calibration was run and the mean response factor (RF) and percent relative standard deviation (\$RSD) calculated for each compound. The system performance check compounds (SPCC's) had mean RF's > 0.050. The calibration check compounds (CCC's) had \$RSD's < 30%. A continuing calibration standard was analyzed every 12 hour shift. The SPCC's had RF's > 0.050 And the CCC's had a percent difference (\$D) of < 25%.

GC/ECD. Analysis of Festicides/PC3's \pm The sample extracts were analyzed by GC/ECD in accordance with the EPA CLP Statement of Work, 7/85 revision. The columns used in this analysis were a 5 ft x 4 mm i.D. glass column packed with

1.5% SP-2250/1.95% SP-2401 on 100/120 mesh Supelcoport and a 6 ft x 2 mm 1.D. glass column packed with 3% OV-1 on 100/120 mesh Supelcoport. The gas chromatograph was equipped with a NI-63 electron capture detector. Linearity was checked at the beginning of each 72 hour analytical sequence. If the column was being used for quantitation all linearity requirements were met before analysis of sample extracts. Calibration standards of all compounds to be identified, quantitated, and/or confirmed were analyzed after the linearity standards. Degradation was checked by calculating the percent breakdown of Endrin/4,4'-DOT. Degradation did not exceed 20% for Endrin or 4,4'-DOT. A calibration check standard and degradation check standard were alternately run after every 5 samples and at the end of the analytical sequence. The calibration factor for each standard did not exceed 15% for a quantitation run or 20% for a confirmation run. If any calibration criteria was not met the laboratory reanalyzed all samples following the standard that exceeded the criteria.

Herbicides - 2.4-Dichlorophenoxyacetic acid (2.4-D). Total Saits and Esters and 2.4.5-Trichlorophenoxyacetic acid (2.4.5-I). Total Saits and Esters

Sample Preparation

Soll - Fifty grams of sample was acidified with HCl to a pH of 2. The sample was then triple extracted with 1:4 mixture of acetone/diethyl ether. The extract was hydrolyzed with potassium hydroxide and extraneous organic material was removed with a solvent wash. The extract was then concentrated, methylated, and analyzed by GC/ECO for the free acids of 2,4-D and 2,4,5-T as their methyl exters.

Water - One liter of sample was acidified with HCl to a pH of 2. The sample was then triple extracted with diethyl ether. The extract was hydrolyzed with potassium hydroxide and extraneous organic material was removed with a solvent wash. The extract was then concentrated, methylated, and analyzed by GC/ECD for the free acids of 2,4-0 and 2,4,5-T as their methyl esters.

Semple Analysis

GC/ECD Analysis Of 2,4-0 and 2,4,5-T - The sample extracts were analyzed by GC/ECD in accordance with the EPA SW-846 method 8150. The column used in this analysis was a 6 ft x 4 mm i.D. glass column packed with 1.5\$ SP-2250/1.95\$ SP-2401 on 100/120 mesh Supelcoport. The gas chromatograph was equipped with a NI-63 electron capture detector. The GC was initially calibrated using a three point standard curve. The calibration curve was checked daily by the analysis of one or more calibration standards. If the predicted response was > +/- 10\$ corrective action was taken before sample analysis began.

Palynuclear Archatic Hydrocartens

Sample Preseration

Low Concentration Water — Approximately 1000ml (1 liter) of the sample was transferred into a 2 L separatory funnel. The sample was triple extracted with methylene chicride. The resulting extracts were filtered through conditioned sodium sulfate and concentrated to a volume of 1.0ml with a K-O apparatus. The extract was solvent exchanged into acetonitrile and concentrated back to 1.0ml.

Soil - 10 grams of soil was extracted with methylane chloride. In a soxhlet extractor for 24 hrs. The resulting extracts was filtered through conditioned sodium sulfate and concentrated to a volume of 1.0ml with a K-D apparatus. The extract was solvent exchanged into acetonitrile and concentrated back to 1.0ml.

Sample Analysis

HPLC Analysis of Polynuclear Aromatic Hydrocarbons - The sample extracts were analyzed by HPLC in accordance with the EPA SW-846 method 8310. The column used in this analysis was a Supelco LC-PAH 25 cm x 4.6 mm 1.0. column plus a LC-18 guard column 2 cm x 4.6 mm (5 u). The liquid chromatograph was equipped with a variable UV detector and a fluorescence spectrophotometric detector. The HPLC was initially calibrated using a three point standard curve. Linearity was checked at the beginning of each day. A check standard and a check solvent blank was alternated after every five samples. Column calibration was performed by running a 3-point calibration for each compound. A mean response and \$ relative standard deviation was calculated for each compound.

Inorganics Analysis

Metals

Sample Preparation

Water (Furnace Digestion) - 1.0ml of (1:1) HNO3 and 2.0ml of 30≸ H202 was added to 100ml of the sample. The mixture was heated for 2 hrs at 95 deg C or until the volume was reduced to between 25 and 50 ml. The sample was cooled and brought back up to 100ml with distilled delonized water.

Water (ICP/Flame AA Digestion) - 2.0ml of (1:1) HNO3 and 10ml of (1:1) HCl was added to 100ml of the sample. The mixture was heated for 2 hrs at 95 deg C or until the volume was reduced to between 25 and 50 ml. The sample was cooled and brought back up to 100ml with distilled delonized water.

Soil - 1.0 grams of sample was refluxed for 10 minutes with 10ml of HN03 (1:1). 5 ml of concentrated HN03 was added and the sample was refluxed for an additional 30 minutes. After cooling, 2ml of water and 3 to 10 ml of 30% H202 was added. The sample was warmed until the reaction was complete. For ICP and Sb 5 ml of HCl (1:1) and 10ml of water was added and the mixture was refluxed for an additional 10 minutes. For furnace AA the sample was reduced to 2ml, 10ml of water was added, and the mixture was heated. The sample was cooled, filtered, and diluted up to 200ml.

Sample Analysis

Analysis of Metals - The sample extracts were analyzed in accordance with the EPA CLP Statement of Work, 7/85 revision. The SOW provides for the determination of metals by inductively coupled argon plasma (ICP), graphite furnace atomic adsorption (GFAAS), and the cold vapor atomic adsorption technique to mercury (AY). Alternatively, flame atomic adsorption methods (AA) may be substituted for ICP. Calibration requires the preparation of a standard curve, one standard of which must be at the contract required detection limit (CRDL), except in the case of mercury. For metals analysis, no fewer than three non-zero standards

were used to generate the curve. For GFAAS and AV, each standard was analyzed at least three times. Standard reference material, used as initial calibration verification standards (ICVS), were used to verify that the standard curve had been developed accurately. Calibration for ICP utilizes one non-zero standard for each element plus the calibration blank. A standard designed to monitor potential interferences was analyzed as part of the verification process. For GFAAS, AA and AV, the samples were analyzed in duplicate. The standard addition method was used for GFAAS. The continuing calibration verification standard (CCVS) was analyzed after every fifth sample and was preceded by a calibration blank analysis. Duplicate injection results must agree within 20% rsd or the sample is reanalyzed once. Single standard addition recovery factors (RF) for GFAAS must fall within 85% — 115% or the sample was analyzed by the method of standard addition.

Cyanide

The samples were analyzed for cyanide in accordance with the EPA CLP Statement of Work , 7/85 revision. Cyanide as HCN was released from cyanide complexes in the sample by means of a reflux-distillation procedure and absorbed in a scrubber containing sodium hydroxide solution. The cyanide ion in the absorbing solution was then determined colorimetrically.

Chlorida

The samples were analyzed for Chloride by EPA Method 325.3 (Titrimetric, Mercuric Nitrate). The acidified sample was titrated with mercuric nitrate in the presence of mixed diphenylcarbazone-bromophenol blue indicator. The end point of the titration is the formation of the blue-violet mercury diphenylcarbazone complex.

Sulfices

The samples were analyzed in accordance with EPA SW-846 method 9030. A 1-2 gram portion of the sample was diluted with 200ml of distilled delonized water. Excess loding was added to the sample and back-titrated with sodium thiosulfate.

Blochemical Oxygan Demand

The samples were analyzed for 800 in accordance with EPA method 405.1. The original sample and serial dilutions were incubated for 5 days at 20 deg C in the dark. The dissolved oxygen concentration was measured at the beginning and end of the incubation period. The reduction in dissolved oxygen yields a measure of the blochemical oxygen demand.

Chemical Oxygen Demand

The samples were analyzed for CCO in accordance with EPA method 410.2. The organic and oxidizable substances in the sample were oxidized by potassium dichromate solution in 50% (by volume) sulfuric acid solution. The excess dichromate was titrated with standard ferrous ammonium sulfate using orthophenanthroline ferrous complex (ferroin) as an indicator.

2H

The pH of the samples was determined electrometrically in accordance with EPA method 150.1. Water samples were measured directly with a glass pH electrode. Soil samples were mixed 1:1 with distilled delonized water, stirred for the and measured with a glass pH electrode.

Appendix T, Exhibit 2

Summary of Methods

Summary of Methods

Organics Analysis

Sample Preparation

Volatiles

Low Concentration Water Samples - 5.0ml of the sample (or dilution of the sample) was spiked with Internal standards and surrogates and introduced into the purge and trap device.

VOST Tubes - Tenax and Tenax/charcoal VOST tubes were spiked with internal standards and surrogates then thermally described directly into the purging tube of the purge and trap device.

Tekmar LSC-2 Purge and Trap Sample Concentration - The sample was purged with helium for 12 minutes at a temperature of 40 deg C. The volatile components transfered to the vapor phase were collected on a sorbent column. At the end of the 12 minute purge cycle, the sorbent column was rapidly heated to 180 deg C and backflushed into the GC.

Extractables (Base/Neutrals and Acids)

Low Concentration Water - Approximately 1000ml (1 liter) of the sample was transferred into a 2 L separatory funnel. The sample was spiked with the surrogate standard solution and the pH was adjusted to > 11 with 10N sodium hydroxide. The sample was triple extracted with methylane chloride and the extracts were combined and labeled as the Base/Neutral fraction. The sample was again adjusted to a pH of < 2 with sulfuric acid (1 + 1) and triple extracted with methylane chloride. The extracts were combined and labeled as the Acid fraction. The resulting extracts were filtered through conditioned sodium sulfate and concentrated to a volume of 1.0ml with a K-O apparatus.

Low Concentration Soil - A 30 gram portion of sample was mixed with 30 grams of anhydrous sodium sulfate in a beaker. The sample was spiked with surrogate standards and triple extracted with 1:1 methylene chloride/acetone using an ultrasonic probe. The extracts were filtered, combined and concentrated to a volume of 10ml with a K-D apparatus. The 10ml extract was split into two fractions. One fraction (9.5ml) was concentrated to a volume of .95ml for GC/MS analysis of BNA's. The other fraction (0.5ml) was solvent exchanged into hexane, cleaned up using a micro alumina column, brought to r volume of 1.0ml, and analyzed by GC/EC for pesticides/PC8's.

Medium Concentration Soil - A 1.0 gram portion of sample was mixed with 2.0 grams of anhydrous sodium sulfate in a beaker. The sample was spiked with surrogate standards and extracted with methylene chloride using an ultrasonic probe. The extract were filtered and 5.0ml was concentrated to a volume of 1.0 ml with a K-D apparatus.

Pesticides/PCB's

Low Concentration Water - Approximately 1000ml (1 liter) of the sample was transferred into a 2 L separatory funnel. The sample was spiked with the surrogate standard solution and triple extracted with methylene chloride. The resulting extracts were filtered through conditioned sodium sulfate and

Appendix T, Exhibit 3

Polynuclear Aromatic Hydrocarbon Analysis Data Summary

Laboratory ID: ITAS Knoxville Case: EGLG Concentration Units: ng/g

PAH Data Summary Feed Stock Samples

	222222
FS-6	35.000 U 45.000 U 29.000 U 19.000 U 84.000 U
- !	
,	22 22 -
٠.	35.000 U 45.000 U 50.000 19.000 U 10.000 U 00.000
FS-5	35.000 45.000 50.000 19.000 10.000 00.000
1	222222
FS-3	40,000 U 40,000 U 40,000 U 40,000 U 40,000 U 40,000 U 40,000 U
,	22 25 5
FS-2	46.000 U 40.000 U 44.000 U 46.000 U 10.300 40.000 U
FS-2	46.000 46.000 44.000 46.000 10.000 10.000
ļ	46 44 44 44 40 40 40 40 40
1	ם ממ ס
FS-1	
FS	2.000 U 2.000 2.900 1.000 U 1.000 U 9.100
Analyte	BENZO(a) ANTHRACENE BENZO(a) PYRENE BENZO(b) FLUORANTHENE CHRYSENE DIBENZO(a,h) ANTHRACENE FLUORANTHENE IMDENO(1,2,3-cd) PYRENE

U - Not detected. The value reported is the required detection limit.

J - Detected, but at a level less than the required detection limit. This is an estimated value.

Laboratory ID: ITAS Knoxville Case: EGAG Concentration Units: ng/g

PAH Data Summary Soil Samples

ξ,

BS-1	4.000 U 1.100 9.800 2.000 U 2.100 4.900
9-QV	1.200 1.000 U 1.000 U 1.000 U 3.400 6.300
AD-5	1.000 U 1.000 U 1.000 U 1.000 U 2.100 U 3.700
AD-3	2.000 U 2.000 U 2.000 U 2.100 6.900 3.000 U
AD-2	2.000 U 2.000 U 2.000 U 1.000 U 7.600 2.700 3.600 U
AD-1	2.000 U 2.000 U 2.000 U 1.700 3.000 U 3.000 U
Analyte	BENZO(a) ANTHRACENE BENZO(a) PYRENE BENZO(b) FLUORANTHENE CHRYSENE DIBENZO(a, h) ANTHRACENE FLUORANTHENE INDENO(1,2,3-cd) PYRENE

U - Not detected. The value reported is the required detection limit.

J - Detected, but at a level less than the required detection limit. This is an estimated value.

PAH Data Summary Water Samples

Laboratory ID: ITAS Knoxville Case: EGAG Concentration Units: ug/L

ENT-B ENT-1 ENT-2 ENT-5 ENT-6 POTW CW WB1	0.180 0.013 U 0.210 0.023 U 0.015 U<
Analyte	BENZO(a) ANTHRACENE BENZO(a) PYRENE BENZO(b) FLUORANTHENE CHRYSENE DIBENZO(a, h) ANTHRACENE FLUORANTHENE INDENO(1,2,3-cd) PYRENE

U - Not detected. The value reported is the required detection limit.

J - Detected, but at a level less than the required detection limit. This is an estimated value.

Laboratory ID: ITAS Knoxville Case: EGAG Concentration Units: ug

PAH Data Summary	Stack Samples	

ı	בככ כ
TB1k 791	60.888 97.888 1240.888 30.888 480.888 460.888
XAD BIK	60.000 U 4700.000 5300.000 310.000 220.000 U 110.000 U
VB-6-XAD	870.000 2000.000 4300.000 1600.000 3700.000 1100.000
VB-5-XAD	730.300 12000.00 16000.00 1600.000 4800.000 1400.000
VB-3-XAD	890.000 5100.000 7000.000 1000.000 2500.000 1100.000
/B-2-XAD	2400.000 6400.000 8800.000 2000.000 6009.000 2300.000
VB-1-XAD	490.000 1300.000 4400.000 190.000 220.000 U 3106.000
Analyte	BENZO(a) ANTHRACENE BENZO(a) PYRENE BENZO(b) FLUORANTHENE CHRYSENE DIBENZO(a,h) ANTHRACENE FLUGRANTHENE INDENO(1,2,3-cd) PYRENE

U - Not detected. The value reported is the required detection limit.

J - Detected, but at a level less than the required detection limit. This is an estimated value.



00026



5815 Middlebrook Pike • Knoxville, Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO: EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED January 19, 1987 PROJECT CODE. EGG 23549 ORDER NUMBER: 5036.2.2 PAGE___ _ OF _

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: Test 1 Stack Gas Composite Extract Laboratory Number: AA5844

Concentration units are total µg

Benzo(a)anthracene 490 4.400 Benzo(b)fluoranthene 1,300 Benzo(a)pyrene 190 Chrysene Dibenzo(a,h)anthracene ND (220) 3,100 Fluoranthene Indeno(1,2,3-cd)pyrene 4,400

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/22-23/86 Date of Analysis: 1/9-10/87, 1/16/87

Assistant Laboratory Manager



Accredited by the American Association for Laboratory Accreditation in the chemical held of testing, as listed in thecautent AALA Directory of Accredited Laboratones. 93-3-93



00031



5815 Middlebrook Pike • Knoxville, Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED January 19, 1987 PROJECT CODE. EGG 23549 ORDER NUMBER 5036,2.2 PAGE____OF _

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: Test 2 Stack Gas Composite Extract Laboratory Number: AA5845

Concentration, units are total ug

Benzo(a)anthracene	2,400
Benzo(b)fluoranthene	8,800
Benzo(a)pyrene	6,400
Chrysene	2,000
Dibenzo(a,h)anthracene	6,000
Fluoranthene	2,300
Indeno(1,2,3-cd)pyrene	2,700

Date of Extraction: 12/22-23/86 Date of Analysis: 1/9-10/87, 1/16/87

Assistant Laboratory Manager





00035

5815 Middlebrook Pike • Knoxville, Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED: January 19, 1987 PROJECT CODE: EGG 23549 ORDER NUMBER. 5036.2.2 PAGE____OF__

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: Test 3 Stack Gas Composite Extract Laboratory Number: AA5846

Concentration units are total ug

Benzo(a)anthracene	890
Benzo(b)fluoranthene	7,000
Benzo(a)pyrene	5,100
Chrysene	1,000
Dibenzo(a,h)anthracene	2,500
Fluoranthene	1,100
Indeno(1,2,3-cd)pyrene	3,100

Date of Extraction: 12/22-23/86
Date of Analysis: 1/9-10/87, 1/16/87

Approved by AssAstant Laboratory Manager

Accument with the American Association or Laboratorian Advisor the inheritation of the Newtons of the Newtons of the State of the State

\$7.8-41



00118

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-5401

CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED January 19, 1987 PROJECT CODE EGG 23612 CREER NUMBER 5036.2.2 PAGE_____CF_

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: Test 6 Stack Gas Composite Extract Laboratory Number: AA6513

Concentration units are total ug

Benzo(a)anthracene	870
Benzo(b)fluoranthene	4,300
Benzo(a)pyrene	2,000
Chrysena	1,600
Dibenzo(a,h)anthracene	3,700
Fluoranthene	1,100
Indeno(1,2,3-cd)pyrene	5,500

Date of Extraction: 12/22-23/86 Date of Analysis: 1/10/37, 1/14-15/87



01000

5815 Middlebrook Pike • Knoxville, Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED January 19, 1987
PROJECT CODE EGG 23548
ORDER NUMBER 5036.2.2
PAGE ______OF _____

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: ENT-B (Water)

Laboratory Number: AA5837

Concentration units are ug/liter (ppb)

Benzo(a)anthracene	-	0.18
Benzo(b)fluoranthene		0.16
Benzo(a)pyrene		0.21
Chrysene	•	- 0.29
Dibenzo(a,h)anthracene		0.22
Fluoranthene		ND (0.21)
Indeno(1.2.3-cd)pyrene		0.16

NO - Not detected at the quantitacion limit listed in parenthesis.

Date of Extraction: 12/12/88

Date of Analysis: 12/16-18/85, 12/31/86

Approved by Assistant Laboratory Manager

Title

Accomplished by the American Aedictorion for Exponential Accomplishment in the chemical accomplished by the chemical and the increase AACA Directory or Accomplish Casing as used in the increase AACA Directory or Accomplish

95 9 45



00014



5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415

DATE REPORTED January 19, 1987
PROJECT CODE EGG 23548
ORDER NUMBER: 5036.2.2
PAGE OF

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: ENT-1 (Water) Laboratory Number: AA5838

Concentration units are ug/liter (ppb)

 Benzo(a)anthracene
 ND (0.013)

 Benzo(b)fluoranthene
 ND (0.018)

 Benzo(a)pyrene
 ND (0.023)

 Chrysene
 ND (0.15)

 Dibenzo(a,h)anthracene
 0.073

 Fluoranthene
 ND (0.21)

 Indeno(1,2,3-cd)pyrene
 ND (0.043)

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/12/86 Date of Analysis: 12/16-18/86, 12/31/86

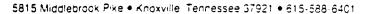
Acommon by Assistant Laboratory Manager

which was a second with a second of the seco

00020



ANALYTICAL SERVICES





CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED January 19, 1987 PROJECT CODE EGG 23548 ORDER NUMBER 5036.2.2 PAGE_ __ OF _

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: ENT-2 (Water) Laboratory Number: AA5839

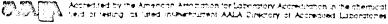
Concentration funits are ug/liter (ppb)

Benzo(a)anthracene	NO	(0.013)
Benzo(b)fluoranthene	ND	(0.018)
Benzo(a)pyrene	NO	(0.023)
Chrysene	NÚ	(0.15)
Dibenzo(a,h)anthracene	NO	(0.030)
Fluoranthene	DN	(0.21)
Indeno(1,2,3-cd)pyrene	ND	(0.043)

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/12/86

Date of Analysis: 12/16-18/85, 12/31/86





00089



5815 Middlebrook Pike • Knoxville, Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83±15

DATE REPORTED January 19, 1987
PROJECT CODE: EGG 23610
ORDER NUMBER: 5036.2.2
PAGE OF OF

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: ENT5 (Water) Laboratory Number: AA6454

Concentration, units are µg/liter (ppb)

 Benzo(a) anthracene
 0.013

 Benzo(b) fluoranthene
 ND (0.027)

 Benzo(a) pyrene
 ND (0.023)

 Chrysene
 ND (0.15)

 Dibenzo(a,h) anthracene
 ND (0.030)

 Fluoranthene
 ND (0.21)

 Indeno(1,2,3-cd) pyrene
 ND (0.043)

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/22/86 Date of Analysis: 1/13-14/87

Approved by Assistant Laboratory Manager



00005



ANALYTICAL **SERVICES**

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED January 19, 1987
PROJECT CODE. EGG 23610
ORDER NUMBER. 5036.2.2 PAGE_ __ OF _

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: ENT6 (Water) Laboratory Number: AA6457 Concentration, units are ug/liter (ppb)

Benzo(a)anthracene	ND	(0.013)
Benzo(b)fluoranthene		(0.018)
Benzo(a)pyrene	ND	(0.023)
Chrysene		(0.15)
Dibenzo(a,h)anthracene		(0.030)
Fluoranthene	OM	(0.21)
Indeno(1,2,3-cd)pyrene	. ON	(0.043)

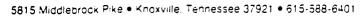
ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/22/86 Date of Analysis: 1/13-14/87

> Approved by Assistant Laboratory Manager









CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED January 19, 1987
PROJECT CODE EGG 23610
ORDER NUMBER 5036.2.2
PAGE OF

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: WB1 (Water) Laboratory Number: AA6473 Concentration units are ug/liter (ppb)

Benzo(a)anthracene	MD	(0.013)
Benzo(b)fluoranthene	DN	(0.018)
Benzo(a)pyrene	סא	(0.023)
Chrysene	NO	(0.15)
Dibenzo(a,h)anthracene	DN	(0.030)
Fluoranthene		(0.21)
Indeno(1.2.3-cd)pyrene	מא	(0.043)

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/22/86 Date of Analysis: 1/13-14/87

Assistant Laboratory Manager





00009



5815 Midglebrook Pike • Knoxviile, Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO: EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED January 19, 1987
PROJECT CODE EGG 23610
ORDER NUMBER 5036.2.2
PAGE OF

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: POTW (Water) Laboratory Number: AA6460

Concentration, units are ug/liter (ppb)

Benzo(a)anthracene	DM	(0.013)
Benzo(b)fluoranthene	ND	(0.018)
Benzo(a)pyrene	ON	(0.023)
Chrysene	DN	(0.15)
Dibenzo(a,h)anthracene	ND	(0.030)
Fluoranthene	DN	(0.21)
Indeno(1,2,3-cd)pyrene	ND	(0.043)

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/22/86 Date of Analysis: 1/13-14/87

Approved by Assistant Laboratory Manager

T.tle





00103



5815 Middlebrook Pike • Knoxvelle Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED January 19, 1987
PROJECT CODE EGG 23610
ORDER NUMBER 5036.2.2
PAGE OF

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: CW (Water) Laboratory Number: AA6467

Concentration units are ug/liter (ppb)

ND	(0.013)
ND	(0.018)
ND	(0.023)
ND	(0.15)
П	(0.030)
DN	(0.21)
DM	(0.043)
	ND ND ND ND

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/22/85 Date of Analysis: 1/13-14/87

Assistant Laboratory Manag



METHOD BLANK SUMMARY

FORM IV

7/85

10000



00122

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED January 19, 1987
PROJECT CODE EGG 23612
ORDER NUMBER 5036.2.2
PAGE OF

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: XAD Blank Laboratory Number: AA6487 Concentration units are total ug

 Benzo(a)anthracene
 ND (60.)

 Benzo(b)fluoranthene
 5,300

 Benzo(a)pyrene
 4,700

 Chrysene
 310

 Dibenzo(a,h)anthracene
 ND (220)

 Fluoranthene
 ND (110)

 Indeno(1,2,3-cd)pyrene
 9,400

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/22-23/86 Date of Analysis: 1/10/87, 1/14-15/87

Assistant Laboratory Manager

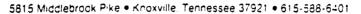
Tille

DAIN

Accredited by the American Association for Laboratory Accreditation in the chemical held of testing as listed in the current AALA Directory of Accredited Laboratones

93-3-85







CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415

DATE REPORTED January 19, 1987 PROJECT CODE. EGG 23612 ORDER NUMBER 5036.2.2 PAGE____ __ OF _

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: T-Blank 791, Reagent Blank Laboratory Number: AA6814

Concentration units are total ug

Benzo(a)anthracene	ND (60.)
Benzo(b)fluoranthene	240
Benzo(a)pyrene	97
Chrysene	ND (30.)
Dibenzo(a,h)anthracene	ND (400)
Fluoranthene	ND (110)
Indeno(1.2.3-cd)pyrene	460

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/22-23/86 Date of Analysis: 1/10/87, 1/14-15/87

Agsistant Laboratory Manager

7.50





00106



5815 Middlebrook Pike • Knoxville, Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO: EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED: January 19, 1987 EGG 23548 PROJECT CODE. ORDER NUMBER: 5036.2.2 PAGE_ __ OF _

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: Method Blank 062281

Concentration units are µg/liter (ppb)

Benzo(a)anthracene	CN	(0.013)
Benzo(b)fluoranthene	ND	(0.018)
Benzo(a)pyrene	DM	(0.023)
Chrysene	ND	(0.15)
Dibenzo(a,h)anthracene	ND	(0.030)
Fluoranthene	ND	(0.21)
Indeno(1,2,3-cd)pyrene	ND	(0.043)

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/12/86

Date of Analysis: 12/16-18/86, 12/31/86

Assistant Laboratory Manager

Title





ANALYTICAL SERVICES





CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. .ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 82415 DATE REPORTED. January 19, 1987
PROJECT CODE. EGG 23550
ORDER NUMBER: 5036.2.2
PAGE OF

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: Method Blank 0650(B1)

Concentration units are total ug

Benzo(a)anthracene	ND	(0.020)
Benzo(b)fluoranthene	DN	(0.020)
Benzo(a)pyrene	NO	(0.020)
Chrysene	NO	(0.010)
Dibenzo(a,h)anthrace	NO	(0.010)
Fluoranthene	ND	(0.020)
Indeno(1,2,3-cd)pyre	DM	(0.030)

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/16/86 Date of Analysis: 1/8-13/87

Assistant Laboratory Manager

100



00204



5815 Middlebrook Pike • Knoxville Tennessee 37921 • 6+5-588-6401

CERTIFICATE OF ANALYSIS

TO: EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED January 13, 1987
PROJECT CODE EGG 23609
ORDER NUMBER 5036.2.2
PAGE OF

RE: USAF NCBC Full Scale Demo + 12/86

Sample Description: Method Blank 0718(81)

Concentration units are total μg

Benzo(a)anthracene	ND	(0.010)
Benzo(b)fluoranthene	NO	(0.010)
Benzo(a)pyrene	ND	(0.010)
Chrysene	ND	(0.010)
Dibenzo(a,h)anthracene	NO	(0.021)
Fluoranthene	NO	(0.020)
Indeno(1,2,3-cd)pyrene	ND	(0.010)

. ND * Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/22/86 Date of Analysis: 1/16/87

converty Assistant Laboratory Manager

7.50



00208



5815 Middlebrook Pike • Knoxville, Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO: EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED January 19, 1987
PROJECT CODE ORDER NUMBER:

PAGE OF OF

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: Method Blank 0720(81) (Water)

Concentration units are ug/liter (ppb)

Benzo(a)anthracene	ND	(0.013)
Benzo(b)fluoranthene	ON	(0.018)
Benzo(a)pyrene	NO	(0.023)
Chrysene	NO	(0.15)
Dibenzo(a,h)anthracene	NO	(0.030)
Fluoranthene	OM	(0.21)
Indeno(1,2,3-cd)pyrene	CM	(0.043)

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/22/86 Date of Analysis: 1/13-14/87

Approved by Assistant Laboratory Manager

Title

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401

00002



CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED: January 19, 1987 PROJECT CODE. EGG 23550 ORDER NUMBER 5036.2.2 PAGE_ _ OF _

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: FS-1 QC, PAH Matrix Spike (Soil) Laboratory Number: AA5918

Concentration, units are ug/kg (ppb) on a wet weight basis

QA/QC - Matrix Spike Recovery Data

	Amount Analyzed in Sample	÷	Spike Amount Added	•	Theoretical Concentration Sample + Spike	Analyzed Conc. of Sample + Spike	% Recovery
Benzo(a)anthracene	ND (2.0)		990		990	780	79
Benzo(b)fluoranthene	2.9		990		990	700	70
Benzo(a)pyrene	2.0		990		990	750	76
Chrysene	NO (1.0)		990		990	800	81
Dibenzo(a,h)anthracene	ND (1.0)		990		990	630	64
Fluoranthene	9.1		990		1 000	1,100	114
Indeno(1,2,3-cd)pyrene	ND (3.0)		990		990	740	74

ND * Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/15/86 Date of Analysis: 1/8-13/87 Percent Moistura: 9.21

Assidtant Laboratory Manager

Accreated by the American Association for Laboratory Accretitation in the chemical field of resung, as listed in the instrum. AALA Directory is Accredited Laboratories

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYTICAL SERVICES

00003



5815 Middlebrook Pike • Knoxville, Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED: January 19, 1987
PROJECT CODE: EGG 23550
ORDER NUMBER: 5036.2.2
PAGE ______OF _____

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: FS-1 QC, PAH Matrix Spike Duplicate (Soil)

Laboratory Number: AA5919

Concentration units are ug/kg (ppb) on a wet weight basis

QA/QC - Matrix Spike Duplicate Recovery Data -

•	Amount Analyzed in Sample	+	Spike Amount Added	Theoretical Concentration Sample + Spike	Analyzed Conc. of Sample + Spike	Recovery
Benzo(a)anthracene	NO (2.0)		990	990	710	72
Benzo(b)fluoranthene	2.9		990	990	820	83
Benzo(a)pyrene	2.0		990	990	830	84
Chrysene	ND (1.0)		990	990	1,600	162
Dibenzo(a,h)anthracene	ND (1.0)		990	990	890	90
Fluoranthene	9.1		990	1,000	850	85
Indeno(1,2,3-cd)pyrene	ND (3.0)		990	990	630	64

NO = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/16/86 Date of Analysis: 1/8-13/87 Percent Moisture: 9.21

Approved by

Assistant Laboratory Manager

Title



Accredited by the American Association for Laboratory Accreditation in the chemical delid of tening, as listed in the current AALA Curractry of Accredited Laboratories



00004



5815 Middlebrook Pike • Knoxville, Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED: January 19, 1987 PROJECT CODE. EGG 23609 ORDER NUMBER: 5036.2.2 PAGE____OF_

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: AD-5, PAH Matrix Spike (Ash) Laboratory Number: AA6436

Concentration units are $\mu g/kg$ (ppb) on a wet weight basis

QA/QC - Matrix Spike Recovery Data

	Amount Analyzed in Sample	+	Spike Amount Added	-	Theoretical Concentration Sample + Soike	Analyzed Conc. of Sample + Spike	% Recovery
Benzo(a)anthracene	ND (1.0)		980		980	560	57
Benzo(b)fluoranthene	ND (1.0)		980		980	540	55
Benzo(a)pyrene	ND (1.0)		980		980	710	73
Chrysene	ND (1.0)		980		980	500	51
Dibenzo(a,h)anthracene	ND (2.1)		980		980	470	48
Fluoranthene	3.7		980		980	670	68
Indeno(1.2.3-cd)pyrene	ND (1.0)		980		980	5 50	57

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/22/86 Date of Analysis: 1/16/87 Percent Moisture: 25.89

AssKstant Laboratory Manager

Dile





ANALYTICAL **SERVICES**

5815 Middlebrook Pike • Knoxville. Tennessee 37921 • 615-588-6401



CERTIFICATE OF ANALYSIS

TO: EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED: January 19, 1987
PROJECT CODE: EGG 23609
ORDER NUMBER: 5036.2.2 PAGE_____ OF _

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: AD-5, PAH Marrix Spike Duplicate (Ash) Laboratory Number: AA6437

Concentration units are $\mu g/kg$ (ppb) on a wet weight basis

QA/QC - Matrix Spike Duplicate Recovery Data

	Amount Analyzed in Sample	+	Spike Amount Added	=	Theoretical Concentration Sample + Spike	Analyzed Conc. of Sample + Spike	% Recovery
Benzo(a)anthracene	ND (1.0)		970		970	490	50
Benzo(b)fluoranthene	(1.0) מא		970		970	440	45
Benzo(a)pyrene	ND (1.0)		970		970	670	68
Chrysene	ND (1.0)		970		970	440	45
Dibenzo(a,h)anthracene	ND (2.1)		970		970	470	48
Fluoranthene	3.7		970		970	580	59
Indeno(1,2,3-cd)pyrene	ND (1.0)		970		970	550	56

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/22/86 Date of Analysis: 1/16/87 Percent Moisture: 25.89

Assistant Laboratory Manager



00006

5815 Middlebrook Pike • Knoxville, Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO: EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED: January 19, 1987 PROJECT CODE: EGG 23548 ORDER NUMBER: 5036.2.2 PAGE_____OF_

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: QA/QC Summary - Blank Spike (Water) Laboratory Number: 0623 (S1)

Concentration units are ug/liter (ppb)

	True Spike Concentration	Recovered Spike Concentration	% Recovery
Benzo(a)anthracene	10.	9.7	97
Benzo(b)fluoranthene	10.	10.	102
Benzo(a)pyrene	10.	8.8	88
Chrysene	10.	10.	105
Dibenzo(a,h)anthracene	10.	13	133
Fluoranthene	10.	8.0	80
Indeno(1,2,3-cd)pyrene	10.	10.	101

Date of Extraction: 12/12/86
Date of Analysis: 12/16-18/86, 12/31/86

Assistant Laboratory Manager



Accredited by the American Association for Laboratory Accreditation in the chemical beld of resting, as listed in the current AALA Directory of Accredited Laboratories

93.4-65



00243



5815 Middlebrook Pike • Knoxville, Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO EGAG Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED January 19, 1987 PROJECT CODE EGG 23550 ORDER NUMBER: 5036.2.2 PAGE_____OF_

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: QA/QC Summary - Blank Spike (Solvent) Laboratory Number: 0651 (S3)

Concentration units are total ug

	True Spike Concentration	Recovered Spike Concentration	Recovery
Benzo(a)anthracene	10.	6.8	68
Benzo(b)fluoranthene	10.	6.7	67
8enzo(a)pyrene	10.	6.2	62
Chrysene	10.	6.9	69
Dibenzo(a,h)anthracene	10.	6.4	64
Fluoranthene	10.	8.2	82
Indeno(1,2,3-cd)pyrene	10.	6.1	61

Date of Extraction: 12/16/86 Date of Analysis: 1/8-13/87



00008

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED January 19, 1987
PROJECT CODE EGG 23609
ORDER NUMBER 5036.2.2 PAGE____OF_

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: QA/QC Summary - Blank Spike (Solvent) Laboratory Number: 0719 (S1)

Concentration units are total µg

	True Spike Concentration	Recovered Spike Concentration	% Recovery
Benzo(a)anthracene	10.	5.7	57
Benzo(b)fluoranthene	10.	5.4	54
Benzo(a)pyrene	10.	7.3	73
Chrysene	10.	5.3	53
Dibenzo(a,h)anthracene	10.	6.4	64
Fluoranthene	10.	6.4	64
Indeno(1,2,3-cd)pyrane	10.	5.9	59

Date of Extraction: 12/22/86 Date of Analysis: 1/16/87

Assistant Laboratory Manager





00009



5815 Middlebrook Pike • Knoxville, Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO: EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED: January 19, 1987
PROJECT CODE: EGG 23610
ORDER NUMBER: 5036.2.2 PAGE_____OF_

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: QA/QC Summary - Blank Spike (Water) Laboratory Number: 00721 (S2)

Concentration units are µg/liter (ppb)

	True Spike Concentration	Recovered Spike Concentration	% Recovery
Benzo(a)anthracene	10.	6.6	66
Benzo(b)fluoranthene	10.	6.9	69
Benzo(a)pyrene	10.	7.6	76
Chrysene	10.	6.9	69
Dibenzo(a,h)anthracene	10.	7.7	77
Fluoranthene	10.	6.8	68
Indeno(1,2,3-cd)pyrene	10.	6.7	67

Date of Extraction: 12/22/85 Date of Analysis: 1/13-14/87

Approved by

Assistant Laboratory Manager

Title

Authorited by the American Association for Laboratory Accreditation in the chemical cald of testing, as listed in the current AALA Directory of Accredited Laborationes



00040



5815 Middlebrook Pike • Knoxville, Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO: EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED: January 19, 1987 PROJECT CODE. EGG 23550 ORDER NUMBER: 5036.2.2 PAGE____OF _

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: FS-1 (Soil) Laboratory Number: AA5912

Concentration units are $\mu g/kg$ (ppb) on a wet weight basis

ND (2.0) Benzo(a)anthracene 2.9 Benzo(b)fluoranthene 2.0 Benzo(a)pyrene ND (1.0) Chrysene ND (1.0) Dibenzo(a,h)anthracene Fluoranthene 9.1 ND (3.0) Indeno(1,2,3-cd)pyrene

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/16/86 Date of Analysis: 1/8-13/87 Percent Moisture: 9.21

Laboratory Manager



Accredited by the American Association for Laboratory Accreditation in the chemical held of testing, as used in the current AALA Directory of Accredited Laboratones.



00046

5815 Middlebrook Pike • Knoxville, Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO: EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED January 19, 1987 PROJECT CODE: EGG 23550 ORDER NUMBER: 5036.2.2 PAGE____ __ OF .

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: FS-2 (Soil) Laboratory Number: AA5913

Concentration, units are µg/kg (ppb) on a wet weight basis

Benzo(a)anthracene	סא	(40.)
Benzo(b)fluoranthene	44	•
Benzo(a)pyrene	ND	(40.)
Chrysene	ND	(44)
Dibenzo(a,h)anthracene	ND	(40.)
Fluoranthene	110	,
Indeno(1,2,3-cd)pyrene	ND	(40.)

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/16/86 Date of Analysis: 1/8-13/87 Percent Moisture: 9.15

Assistant Laboratory Manager

Title



Accredited by the American Association for Laboratory Accreditation in the chemical held of testing, as listed in the current AALA Directory of Accredited Laboratones





5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED January 19, 1987
PROJECT CODE EGG 23550
ORDER NUMBER: 5036.2.2
PAGE OF

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: FS-3 (Soil) Laboratory Number: AA5914

Concentration, units are µg/kg (ppb) on a wet weight basis

Benzo(a)anthracene	ND	(40.)
Benzo(b)fluoranthene	ND	(40.)
Benzo(a)pyrene		(40.)
Chrysene	ND	(40.)
Dibenzo(a,h)anthracene	DN	(40.)
Fluoranthene	MO	(40.)
Indeno(1,2,3-c1)pyrene	ND	(40.)

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/16/86 Date of Analysis: 1/8-13/87 Percent Moisture: 8.50

Approved by
Assistant Laboratory Manager

Title

Accredited by the American Association for Laboratory Accreditation in the chemical beld of festing, as lated in the autrent AALA Directory of Accredited Laboratories



ANALYTICAL SERVICES





CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED: January 19, 1987
PROJECT CODE EGG 23609
ORDER NUMBER: 5036.2.2
PAGE OF

RE: USAF NC8C Full Scale Demo - 12/86

Sample Description: FS-5 (Soil)

Laboratory Number: AA6434

Concentration units are µg/kg (ppb) on a wet weight basis

Benzo(a)anthracene	NO (35)
Benzo(b)fluoranthene	50.`
Benzo(*)pyrene	ND (45)
Chrysene	NO (19)
Dibenzo(a,h)anthracene	NO (110)
Fluorantiene	100
Indeno(1,2,3-cd)pyrene	ND (48)

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/22/86 Date of Analysis: 1/16/87 Percent Moisture: 9.04

Assistant Laboratory Manager

Title





ANALYTICAL SERVICES





CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Fails, ID 83415 DATE REPORTED January 19, 1987
PROJECT CODE EGG 23609
ORDER NUMBER 5036.2.2
PAGE OF

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: FS-6 (Soil) Laboratory Number: AA6432

Concentration, units are µg/kg (ppb) on a wet weight basis

 Benzo(a)anthracene
 NO (35)

 Benzo(b)fluoranthene
 NO (29)

 Benzo(a)pyrene
 NO (45)

 Chrysene
 NO (19)

 Dibenzo(a,h)anthracene
 NO (119)

 Fluoranthene
 NO (84)

 Indeno(1,2,3-cd)pyrene
 ND (48)

NO * Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/22/86 Oute of Analysis: 1/15/87 Percent Moisture: 8.84

Assistant Laboratory Manager

7:0





ANALYTICAL SERVICES





CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415

DATE REPORTED: January 19, 1987
PROJECT CODE: EGG 23550
ORDER NUMBER: 5036.2.2
PAGE OF

RE: USAF NC8C Full Scale Demo - 12/86

Sample Description: AD-1 (Ash) Laboratory Number: AA5915

Concentration, units are ug/kg (ppb) on a wet weight basis

Benzo(a)anthracene	ND /2 01
	ND (2.0)
Benzo(b)f'uoranthene	ND (2.0)
Benzo(a)pyrene	ND (2.0)
Chrysene	1.7
Dibenzo(a,h)anthracene	ND (3.0)
Fluoranthene	2.3
Indeno(1,2,3-cd)pyrene	ND (3.0)

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/16/86 Date of Analysis: 1/8-13/87 Percent Moisture: 18.67

Assistant Laboratory Manager

T.iie



00060



5815 Middlebrook Pike • Knoxville, Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED: January 19, 1987
PROJECT CODE: EGG 23550
ORDER NUMBER: 5036.2.2
PAGE OF

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: AD-2 (Ash) Laboratory Number: AA5916

Concentration units are µg/kg (ppb) on a wet weight basis

Benzo(a)anthracene	ND (2.0)
Benzo(b)fluoranthene	ND (2.0)
Benzo(a)pyrene	ND (2.0)
Chrysene	ND (1.0)
Dibenzo(a,h)anthracene	7.6
Fluoranthene	2.7
Indeno(1,2,3-cd)pyrene	ND (3.0)

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/16/86 Date of Analysis: 1/8-13/87 Percent Moisture: 27.68

Approved by Assistant Laboratory Manager

CANA

Accredited by the Americal constition for Laboratory Accreditation in the chemical set of resting on the authors AALA Directory of Accredited Laboratories.



5815 Middlebrook Pike • Knoxville, Tennessee 37921 • 615-588-6401



CERTIFICATE OF ANALYSIS

TO: EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED: January 19, 1987
PROJECT CODE: EGG 23550
ORDER NUMBER: 5036.2.2
PAGE OF

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: AD-3 (Ash) Laboratory Number: AA5917

Concentration units are ug/kg (ppb) on a wet weight basis

Benzo(a)anthracene ND (2.0)
Benzo(b)fluoranthene ND (2.0)
Benzo(a)pyrene ND (2.0)
Chrysene 2.1
Dibenzo(a,h)anthracene Fluoranthene 2.1
Indeno(1,2,3-cd)pyrene ND (3.0)

ND * Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/16/86 Date of Analysis: 1/8-13/87 Percent Moisture: 24.48

Approved by Assistant Laboratory Manager

Title

Accredited by the American Assanation for Caboratory Accreditation in the chemical a celd of testing, as used in the aument AALA Directory of Accredited Caporatories



00082

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED January 19, 1987
PROJECT CODE: EGG 23609
ORDER NUMBER: 5036.2.2
PAGE OF OF

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: AD-5 (Ash) Laboratory Number: AA6435

Concentration units are ug/kg (ppb) on a wet weight basis

 Benzo(a)anthracene
 ND (1.0)

 Benzo(b)fluoranthene
 ND (1.0)

 Benzo(a)pyrene
 ND (1.0)

 Chrysene
 ND (1.0)

 D1benzo(a,h)anthracene
 ND (2.1)

 Fluoranthene
 3.7

 Indeno(1,2,3-cd)pyrene
 ND (1.0)

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/22/86 Date of Analysis: 1/16/87 Percent Moisture: 25.89

Assistant Laboratory Manager

Title

 \mathbb{Z}^{N}

Accordated by the American Association for Laboratory Accordatation in the chemical bold of testing, as listed in the current AALA Directory of Accordated Laboratories



00076



5815 Middlebrook Pike . Knoxville, Tennessee 37921 . 615-588-6401

CERTIFICATE OF ANALYSIS

TO: EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED: January 19, 1987
PROJECT CODE: EGG 23609
ORDER NUMBER: 5036,2.2
PAGE _____OF ____

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: AD-6 (Ash) Laboratory Number: AA6433

Concentration units are ug/kg (ppb) on a wet weight basis

Benzo(a)anthracene	1.2
Benzo(b)fluoranthene	ND (1.0)
Benzo(a)pyrene	ND (1.0)
Chrysene	ND (1.0)
Dibenzo(a,h)anthracene	3.4
Fluoranthene	6.3
Indeno(1,2,3-cd)pyrene	ND (1.0)

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/22/85 Date of Analysis: 1/16/87 Percent Moisture: 20.52

- . -

Material Laboration, Mana

Title

and y

ecredited by the American Association for Laboratory Accreditation in the chemical eld of testing, as listed in the current AALA Directory of Accredited Laborationes

13-1-4



00085



5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415

DATE REPORTED: January 19, 1987
PROJECT CODE: EGG 23609
ORDER NUMBER: 5036.2.2
PAGE _____OF _____

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: BS-1 (Soil) Laboratory Number: AA6448

Concentration, units are ug/kg (ppb) on a wet weight basis

Benzo(a)anthracene	ND (4.0)
Benzo(b)fluoranthene	9.8
Benzo(a)pyrene	1.1
Chrysene	ND (2.0)
Dibenzo(a,h)anthracene	2.1
Fluoranthene	4.9
Indeno(1,2,3-cd)pyrene	ND (1.0)

ND = Not detected at the quantitation limit listed in parenthesis.

Date of Extraction: 12/22/86 Date of Analysis: 1/16/87 Percent Moisture: 9.50

Approved by Assistant Laboratory Manager

T.tle

TAMES ASS

Accredited by the American Association for Laboratory Accreditation in the chemical being of acceptance of the current AALA Directory of Accredited Laporatories

X)-9-85

Appendix T, Exhibit 4

Base Neutral/Acid Analysis Data Summary

Base Neutral/Acid Analysis Data Summary

Water samples ENT5, ENT6, POTH, CW, WB1, along with WB1 matrix spikes were analyzed and found to have low acid surrogate recoveries. These samples were reextracted and reanalyzed with acceptable surrogate results. This data is submitted. The reextraction was outside the usual sample holding time.

Laboratory ID: ITAS Knoxville Case: EG&G Concentration Units: ug/kg

Organics Data Summary Feed Stock Samples

				•		
Analyte	FS-1	FS-2	FS-3	FS-5	FS-6	
; ; ; ; ; ; ;		!				
BENZIDINE	5300.0 U	5300.0 U	2600.0 U	2600.0 U	2606.0 U	-
BIS(2-CHLOROETHOXY)METHANE	0 0 099	660.0 U	330.0 U	330.0 U	330.0 U	_
BIS(2-CHLOROISOPROPYL)ETHER	660.0 U	660.0 U	330.0 U	330.0 U	330.0 U	_
3,3'-DICHLOROBENZIDINE	1300.0 U	1300.0	660.0 U	0.099	660.0 U	_
2,4-DICHLOROPHENOL	0.099	220.0 3	230.0 3	330.0 0	210.0 3	_
2,5-DICHLOROPHENOL	0.099	660.0 U	330.0 U	330.0 U	330.0 U	_
2,6-DICHLOROPHENOL	660.0 U	660.0 U	330.0 U	330.0 0	330.0 U	_
3,4-DICHLOROPHENOL	0.099	660.0 0	330.0 U	330.0 U	370.0	
4,6-DINITRO-O-CRESOL	3200.0 U	3200.0 U	1600.0 U	1600.0 U	1600.0 U	_
2,4-DINITROPHENOL	3200.0 U	3200.0 U	1600.0 U	1600.0 U	1600.0 U	_
2,4-DINITROTOLUENE	660.0 U	660.0 U	330.0 U	330.0 0	330.0 U	-
2-HETHYLPHENOL	660.0 U	660.0 U	330.0 0	330.0 U	330.0 U	_
3-HETHYLPHENOL	0.099	0.099	330.0 U	330.0 0	330.0 0	-
4-METHYLPHENOL	660.0 U	660.0 U	330.0 U	330.0 U	330.0 U	_
4-NITROPHENOL	3200.0 U	3200.0 U	1600.0 U	1600.0 U	1600.0 U	_
N-NITROSODIMETHYLAMINE	660.0 U	9.099	330.0 0	330.0 U	330.0 U	_
PHENOL	0.099	0.099	330.0 U	330.0 U	330.0 0	-
1,2,3,5-TETRACHLOROBENZENE	660.0 U	660.0 U	330.0 U	330.0 U	330.0 U	_
1,2,4,5-TETRACHLOROBENZENE	660.0 U	660.0 U	330.0 U	330.0 U	330.0 U	_
2, 3, 4, 5-TETRACHLOROPHENOL	0.039	660.0 U	330.0 U	330.0 U	330.0 U	_
2, 3, 4, 6-TETRACHLOROPHENOL	0.039	960.0 U	330.0 U	330.0 0	330.0 U	_
2,3,4-TRICHLOROPHENOL	660.0 U	660.0 U	330.0 0	330.0 U	330.0 U	_
2,4,5-TRICHLOROPHENOL	1600.0	3700.0	3600.0	8800.0	5700.0	
2,4,6-TRICHLOROPHENOL	660.0 U	660.0 U	330.0 U	330.0 U	330.0 U	

U - Not Detected. The value reported is the required detection limit.

J - Detected, but at a level less than the required detection limit. This is an estimated value.

Laboratory ID: ITAS Knoxville Case: EGAG Concentration Units: ug/kg

Organics Data Summary Soil Samples

Analyte	AD-1	AD-2	AD-3	AD-5	9-QV	BS-1
			l 			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
BENZIDINE	2600.0 U	2600.0 U	2600.0 U	2600.0 U	2600.0 U	2600.0 U
BIS(2-CHLOROETHOXY) METHANE	330.0 U	330.0 0	330.0 U	330.0 U	330.0 U	330.0 U
BIS(2-CHLOROISOPROPYL)ETHER	330.0 U	330.0 U	330.0 U	330.0 U	330.0 U	338.8 U
3,3'-DICHLOROBENZIDINE	660.0 U	0.039	660.0 U	660.0 U	660.0 0	660.0
2,4-DICHLOROPHENOL	330.0 U	330.0 U	330.0 U	330.0 U	330.0 U	330.0 U
2,5-DICHLOROPHENOL	330.0 0	330.0 U	330.0 U	330.0 U	330.0 U	330.0 U
2,6-DICHLOROPHENOL	330.0 U	330.0 U	330.0 U	330.0 U	330.0 U	330.0 U
3, 4-DICHLOROPHENOL	330.0 U	330.0 U	330.0 U	330.0 U	330.0 U	330.0 U
4,6-DINITRO-O-CRESOL	1600.0 U	. 1600.0 U	1600.0 U	1600.0 U	1600.0 U	1600.0 U
2,4-DINITROPHENOL	1600.0 U	1600.0 U	1600.0 U	1600.0 U	1603.0 U	1600.0 U
2,4-DINITROTOLUENE	. 330.0 U	330.0 U	330.0 U	330.0 U	330.0 U	330.0
2-METHYLFHENOL	330.0 U	330.0 U	330.0 0	330.0 U	330.0 U	330.0 U
3-METHYLPHEROL	330.0 U	330.0 U	330.0 U	330.0 U	330.0 U	330.0 U
4-methylphenol	330.0 U	330.0 U	330.0	330.0 U	330.0 U	330.0 U
4-NITROPHENOL	1600.0 U	1600.0 U	1600.0 U	1600.0 U	1600.0 U	1609.0 U
N-NITROSODIHETHYLAMINE	330.0 U	330.0 U	330.0 U	330.0 U	330.0 U	330.0 U
PHENOL	330.0 0	330.0 0	330.0 U	330.0 U	338.0 U	330.0 U
1,2,3,5-TETRACHLOROBENZENE	330.0 0	330.0 U	330.0 U	330.0 U	330.0 U	330.0
1,2,4,5-TETRACHLOROBENZENE	330.0 U	330.0 U	330.0 U	330.0 U	330.0 U	330.0 U
2, 3, 4, 5-TETRACHLOROFHENOL	330.0 U	330.0 U	330.00	330.0 U	330.0 U	330.0 U
2, 3, 4, 6-TETRACHLOROPHENOL	330.0 U	330.0 U	330.0 U	330.0 U	330.0 U	330.0 U
2, 3, 4-TRICHLOROPHENOL	330.0 U	330.0 1	330.0 U	330.0 U	330.0 U	330.0 U
2,4,5-TRICHLOROPHENOL	1600.0 U	1600.0 U	1600.0 U	210.0 J	1600.0 U	1600.0 U
2,4,6-TRICHLOROPHENOL	330.0 U	330.0 U	330.0 U	330.0 U	330.0 U	330.0 U

U - Not Detected. The value reported is the required detection limit.

J - Detected, but at a level less than the required detection limit. This is an estimated value.

Organics Data Summary Water Samples

Laboratory ID: ITAS Knoxville Case: EG1G Concentration Units: ug/L

Analyte	ENT-B	ENT-1	ENT-2	ENT-5	ENT-6	POTW	WB1	3
BENZIDINE	80.0 U	90.08	80.0 U	80.0	80.0 U	80.0 U	80.00	860.0 U
BIS(2-CHLOROETHOXY)METHANE	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U
BIS(2-CHLOROISOPROPYL) ETHER	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U
3,3'-DICHLOROBENZIDINE	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	200.0 U
2.4-DICHLOROPHENOL	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U
2,5-DICHLOROPHENOL	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U
2,6-DICHLOROPHENOL	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U
3,4-dichlorophenol	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U
4,6-DINITRO-O-CRESOL	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.00 U
1,4 DIMITROPHENOL	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	500.0 U
2,4-Dinitrotoluene	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U
2-HETHYLPHENOL	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U
3-HETHYLPHENOL	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U
4-METHYLPHENOL	10.0 U	10.0 U	19.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U
4-nitrophenol	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	500.0 U
N-NITROSODIMETHYLAMINE	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U
PHENOL	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U
1,2,3,5-TETRACIILOROBENZENE	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U
1,2,4,5-TETRACHLOROPENZENE	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U
2, 3, 4, 5-TETHACHLOROPHENOL	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U
2, 3, 4, 6-TETRACHLOROPHENOL	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.6 U	10.0 U	100.0 U
2, 3, 4-TRICHLOROPHENOL	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U
2,4,5-TRICHLOROPHENOL	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	500.0 U
2,4,6-TRICHLOROPHENOL	10.0 U	10.0 U	19.0 U	10.0 U	10.0 U	10.0 U	10.0 U	160.0 U

U - Not Detected. The value reported is the required detection limit.

J - Detected, but at a level less than the required detection limit. This is an estimated value.

Organics Data Summary Stack Samples

Laboratory ID: ITAS Knoxville Case: EGLG Concentration Units: ug

Analyte	VB-1-XAD	VB-2-XAD	VB-3-XAD	VB-5-XAD	VB-6-XAD	XAD BIK	TB1k 791
\$ # # # # # # # # # # # # # # # # # # #	;	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				1	
BENZIDINE	80.0 U	80.0	80.0	80.0	U 80.08 U	80.0 U	90.08
BIS(2-CHLOROFTHOXY)METHANE	10.0 U	10.0 U	10.0 U	10.0 L	10.0 U	10.0 U	10.0 U
BIS(2-CHLOROISOPROPYL)ETHER	10.0 U	10.0 U	10.0	10.01	10.0 U	10.0 U	10.0 U
3, 3' - DICHLOROBENZIDINE	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
2,4-DICHLOROPHENOL	19.0 U	10.0 U	10.0 U	10.0	10.0 U	10.0 U	10.0 U
2,5-DICHLOROPHENOL	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2,6-DICHLOROPHENOL	10.0 U	10.0 U	10.6 U	10.0 L	10.0 U	10.0 U	10.0 U
3,4-dichlorophenol	10.0 U	10.0 U	10.0 U	10.0 L	10.0 U	10.0 U	10.0 U
4,6-DINITRO-O-CRESOL	50.0 U	50.0	50.0	50.0	. 50.0 U	50.0 U	50.0 U
2,4-DINITROPHENOL	50.0 U	50.0 U	50.0 U	50.0	0.02	50.0	50.0 U
2,4-DINITROTOLUENE	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2-HETHYLPHENOL	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
3-METHYLPHENOL	10.0 U	10.0 U	16.0 U	10.01	10.0 U	10.0 U	19.9 U
4-RETHYLPHENOL	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-NITROPHENOL	50.0	50.0 U	50.0 U	50.0	1 50.00 U	50.0	50.0 U
N-NITROSODIMETHYLAMINE	10.0 U	10.0 U	10.0	10.0 U	10.0 U	10.0 U	10.0 3
PHENOL	80.05	37.0	32.0	28.0	34.0	10.0 U	10.0 U
1,2,3,5-TETRACHLOROBENZENE	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2,4,5-TETRACHLOROBENZENE	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2, 3, 4, 5-TETRACIILOROPHENOL	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2, 3, 4, 6-TETRACHLOROPHENOL	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.e u
2, 3, 4-TRICHLOROPHENOL	10.0 U	10.0 D	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2, 4, 5-TRICHLOROPHENOL	50.0 U	50.0 U	50.0 U	50.0 U	1 50.0 U	59.0 0	50.0
2, 4, 6-TRICHLOROPHENOL	10.0 U	10.0 U	10.0 U	10.0	10.0 U	16.0 U	10.0 U

* ' !' *

1.

U - Not Datected. The value reported is the required detection limit.

J - Detected, but at a level less than the required detection limit. Inis is an estimated value.

Organics Analysis Data Sheet (Page 1)

Sample Number FS-1

AA 5898805

00118

Laboratory Name: ITAS -KNOXVILLE Lab Sample ID No: AA 58880S Sample Matrix: FEED Stock Data Release Authorized By: W.T. Walson	Case No: EGG 2355 QC Report No: Contract No: Date Sample Received:12-	
Volatile Co	mpounds	
Concentration: Low Date Extracted/Prepared: Date Analyzod:	NA PH SA	VOLATILE VALYSIS QUESTED THIS APLE NUMBER

CAS Number	1	ug/l or ug/Kg (Circle One)
74-87-3	Chioromethane	NA
74-83-9	Bromomethane	
75-01-4	Vinvi Chloride	
75-00-3	Chioronthane	
75-09-2	Methylane Chloride	
67-64-1	Acetone	1
75-15-0	Carbon Disulfide	
75-35-4	1. 1 Ochlorpeinane	
75-34-3	1, 1-0ichlorgethane	
156-50-5	Trans-1, 2-Dichtoroethene	
57-56-3	Chloroform	
107-06-2	1 2-Oichtorpethane	
79.93.3	2-Butanone	
71-55-8	1, 1, 1-Trichtorpethane	
56-23-5	Carbon Tetrachtoride	
109-05-4	Vinvt Acetate	
75-27-4	Bramodichioramemane :	- ·

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1 2-Dichloropropane	NA
10051-02-6	Trans-1 3-Dightoropropens	
79-01-6	Trichlorgeinene	
124-48-1	Dibramachlaremethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10061-01-5	cis-1 3-Dichloroprophe	
110-75-3	2-Chioroethylvinviether	
75-25-2	Bromotorm	
108-10-1	4-Mernyl-2-Pentanone	
591-78-8	2-Hexanone	
127 3-4	Terrachiorgethene	
79-34-5	1 1 Z 2-Terrachtorcethane	
108 88-3	Taluene	
101-90-7	Chlomoenzene	- 1
100-41-4	Einhichtana -	
100-42-5	Siving:	
	Total Xvienes	_ *

Data Resummy Quanture

- Value of the result is a value greater than or equal to the detection time, report the value.
- U Indicates campound was shally ad far but has disnected. Reduct the minimum detection time for the sample with the UTe g. TOU's asked an necessary concerns attain / displays action. (This is not necessarily the indiffusion detection (mini). The leganges should read U-Compound was shally rad for but has not senacted. The number is the minimum affair to detection and the number is the minimum affair to detection.
- Infection an estimated value. This flag is used either when estimal to compensate the terrational equivalent compounds where a 10 resource is assumed at when the most special fattle individual the presence of a compound that most individual continuation critists but the result is less than the specified direction limit but greater than there is \$1,000 of time of deversion is 10 mg/1 and a concentration of \$1 mg/1 is carculated repert as \$1.
- G This flag appears to certaints per aminors where the identification has been confirmed by GC MS. Single commitment prolinate ≥10 mg/ul in the final extract should be confirmed by GC MS.
- If The flag is used when the enables is found in the black as well as a service as a relationary of a relationary processing as should be been consistent and and warms the data with to label agreetor and afficient.

Cologe agraculae Roard pand Contemporal may the required to be desired to the hold that retains. If usual chary must be fully desired and suich desired and attached to the data summary rejusts.

Form I

Laboratory Name	ITAS-KNOXVIlle
Case No	EGG 23550

Sample Number

Organics Analysis Data Sheet (Page 2)

AA588805

Semivolatile Compounds

Concentration: (aw) M	edium (Circle One)	GPC Cleanup @Yes @No
Date Extracted Prepared	12-15-86	Separatory Funnel Extraction
Date Analyzed:	1-9-97	Continuous Liquid - Liquid Extraction Gres MA
Conc/Dil Factor: 10-0303	kg/2.0ml) 0.9266	R
Parcent Moisture (Decanted)	NA	Dryners factor

CAS Number	,	(Circle One)
108-95-2	Phenoi	660 U
111-44-4	bisi-2-ChlorpethyllEther	!
95-57-8	2-Chiaraphenai	
541.73.1	1 3-Dichtprobenzene	
106-45-7	1 4-Orchloropenzene	l
100-51-6	Benzyl Alcohol	
95-50-1	1 2-Dichlaropenzene	
95-48-7	2 Methylonenci	
39538-32-9	bisi2-chloroisopropyi Ether	:
106-44-5	4-Methylaheno	
621-64-7	N-Nitroso-Di-n-Prooviamine	
67-72-1	Hexachioroethane	
38.95.3	Nitropenzene	
78-59-1	Isophorane	
88-75 5	2 Nitrophenol	
105-57-3	2 4-0 (methylphenol	4
65-85-0	Benzoic Acid	3 200 u
111 91-1	DISC Z-Chlorosthosy-Mathans	660.u
120-83-2	2 4-Dichloreohenol	·
120-82-1	1 2 4-Trichloropenzene	
91-20-3	Naphthalene	
105-47-8	4-Chloroaniline	
37.58 3	Hexachioi Joutadiene	
59 50-7	4-Chioro-3-Mathylphenol	ĺ
31-57 6	2-Mathylnaonthalane	
77-47-4	Hexachlorocyclopentadiene	*/
99-65-2	2 4 6-Trichlorophenal	١٠٠٠ ميسيوسي وميو
35 35 4	2 4 Sitrichloraphenal	(CO) American
31 58 7	2 Chioronaphthalane	669.4
33.74.4	2 Nicroaniline	به العصد 3
131 11.3	Dimernyl Phihalain	660. u
203 35 8	Acenaphinylene	650 U
99 09 2	3. Verrountions	32.00.4

CAS Number		(Circle Or
83-32-9	Acensoninene	660. u
51-28-5	2, 4-Dinitrophenoi	3200.4
100-02-7	4-Nitrophenol	3200.u
132-54-9	Dibenzofuran	660. u
121-14-2	2 4-Dinitrotoluene	
606-20-2	2 5-Dinitrotoluene	
84-66-2	Diethylphthalate	
7005-72-3	4-Chlorophenvi-phenvisther	
86.73.7	Fluorene	Y
100-01-6	4-Nitroaniline	3200. u
534-52-1	4, 5-Oinitro-2-Methylphenoi	3200.4
85-30-6	N-Nitrosodiahenvlamine (1)	650. U
101-55-3	4-Bromophenvi-phenvietner	1
113-74-1	Hexachioropenzene	J.
87-85-5	Pentachlorcohenol	3 2.00. 11
85-01-8	Phananthrana	ى بىن نامىن
120-12-7	Anthracene	660.0
84-74-2	01-n-Butylohmalate	2300.
205-44-0	Fluoranthene	660 1
129-00-0	F	660.0
85-68-7	Bucylpentylphthalate	2000.
91-94-1	3 3 - Dichiarppenzidine	1300.4
55-55-3	BenzalalAnthracene	660. u
117-81-7	bis 2-EthylhesviPhthalate	
218-01-9	Chrysene	
117-94-0	Oi-ri-Octyl Phthalate	J.
205-99-2	denroxalfluoranthane	70.5
207-08-9	Cenzoskifluoranthene	660.4
50 32 3	Bentous Pyrane	
193-39-5	Indenat 2, 3-cdiPyrene	
53-70-3	Dibensia hiAnthriscane	

⁽¹⁾⁻Cannot be separated from diphamilamine

Laboratory Name	TTAS	Knoxville
Case No	EGG	23550

Percent Moisture (decanted) _

Sample Number FS-1

Organics Analysis Data Sheet (Page 3)

00121

Pesticide/PCBs

Concentration Low Medium (Circle One) Date Extracted / Prepared 12-15-50	GPC Cleanup @Yes No Separatory Funnel Extraction @Yes
Date Analyzed 12-20-50	Continuous Liquid - Liquid Extraction @Yes
Conc (Dil Factor) 1, 45	

CAS Number		ug/lorug/Kg (Circle Offe)
319-84-6	Alona-BHC	NA
319-85-7	Beta-BHC	
319-85-8	Detta-BHC	
58-89-9	Gamma-BHC (Lindane)	
75-44-8	Heptachior	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	
60-57-1	Dielarin	
72-55-9	4 4 -ODE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4 4 -000	
1031-07-8	Endosulfan Sulfate	
50-29-3	4 41-007	
72-43-5	Methoxychlor	
53494-70-5	Endrin Ketone	
57-74-9	Chlordane	
8001-35-2	Tosaofieta	170.ou
12674-11-2	Arcefér⊇1016	96.00°
11104-28-7	Aroclor-1221	96.0U
11141-15-5	Aroctor-1232	86.cu
53469-21-9	Arocier=1242	50.00
12572-23-5	Aroctor-1248	30.04
11097-39-1	Aroctor-1254	170.0U
11095-82-5	Arocior-1250	170.00

- V_a is Volume of extract injected (ul)
- Vg * Volume of water extracted (mil)
- W_a * Weight of sample extracted (g)
- V_t * Volume of total extract (ul)

V _s		or W _s	<u> 30.034</u>	٧	3000011	٧,	العرف	
----------------	--	-------------------	----------------	---	---------	----	-------	--

Organics Analysis Data Sheet

Sample Number AA5881

		(Pag	je 1)	· -	00171
Lab Sam Sample	Date Ext Date And Conc/Di	Wilson Volatile Co	QC Report N Contract No: Date Sample impounds Medium (Cir NA NA	ANALY REQUE SAMPL	LATILE
CAS Number	, ,	ug/1 or ug/Kg (Circle One)	CAS Number		ug/1 or ug/Kg (Circle One)
74-87-3	Chloromethane	NA	78-87-5	1, 2-Dichloropropane	NA
74-83-9			10061-02-6	Trans-1, 3-Dichloropropene	
75-01-4		1.	79-01-6	Trichtoroethene	
75-00-3			124-48-1	Dibromochloromethane	
75-09-2	Methylene Chlorida		79-00-5	1, 1, 2-Trichloroethane	
67-64-1			71-43-2	Benzena	
75-15-0	Carbon Oisulfide		10061-01-5	cis-1, 3-0ichtereprocens	
75-35-4	1, 1-Oichterpethene		110-75-8	2-Chloroethylvinylether	
75-34-3	1, 1-Dichloroethane		75-25-2	Bromotorm	
156-60-	5 Trans-1, 2-Oichlorpethere		108-10-1	4-Methyl-2-Pentanone	
67-66-3	Chloroform		591-78-6	2-Hexanone	
107-06-	2 1, 2-Dichloroethane		127-18-4	Tetrachioroethene	
79-93-3	2-Butanone		79-34-5	1, 1, 2, 2-Tetrachloroethane	
71-55-6	1, 1, 1-Trichlorgethane		108-88-3	Toluene	
56-23-5	Carbon Terrachloride		108-90-7	Chidrobenzana	
108-05-	4 Vinyl Acetate	F	100-41-4	Ethylbenzene	
75-27-4	Bramodichloromathana		100-42-9	अस्तिम्	
***************************************	- :			Total Xvientes	*
	Additional flogs	devected Report me ne Uie g., 10UI based The is net necessarie uses should read Uie in the number is the mote in the number is the mote in the number is used enter when wenting compounds by mass spectral data are should be upon the sentilication of greation that but then is 10 up 1 and 8	g results qualifiers are equity are enricuraged. C. This flag a book confiner up of the flag a sample of the flag a sample of the flag and the flag	t used. Phonouser, the popular is presidue peraminare similare to formed by GC MS. Simple companie formed by GC MS. Simple companie for indicate paract should be confurmed by s used when the analyse is found in the formicated possible probable bland of doctorized possible probable if used, they must be fully described a a the dots summery report	ne pesiciaes≥10 GC:MS. I blane as wint et e gentaminacian and directionacian and

Laboratory Name	ITAS-KNOXVIlle
Case No	EGG 23550

Sample Number

AA5887 00172

Organics Analysis Data Sheet (Page 2)

Semivolatile Compounds

Cencentration: Low	Medium (Circle One)	GPC Cleanup CIYes (BNo
Date Extracted (Prepared:	12-15-86	Separatory Funnel Extraction EYes
Date Analyzid:	1-9-87	Continuous Liquid - Liquid Extraction (34es NA
Conc. Dil Factor: (0.0	3005 < 9 / 2.0 - 1) 0.913 5 R	Drumon Cooks
B	- AIA	2. July Hacier

CAS Number	1	Ug/I orug/Ko	
108-95-2	Phenol	660 U	I
111-44-4	bisi-2-ChloroethvilEther	I	1
95-57-8	2-Chloroonenol		l
541.73.1	1 3-Dichlorobenzene		Ì
105-45-7	1 4-Dichlorobenzene]
100-51-6	Benzyi Alcohol		l
95-50-1	1 2-Oichforobenzene		}
95-48-7	2-Methylphenol		1
39633-32-9	bis(2-chloroisopropyl)Ether		l
106-44-5	4-Metnylaneno		ı
621-64-7	N-Nitroso-Di-n-Propylamine		1
67-72-1	Hexachloroethane		l
98-95-3	Nitrobenzene		
78-59-1	Isophorone		
88-75-5	2-Nitroonenol		l
105-67-9	2, 4-Dimethylphenal	V	
65-85-0	Benzoic Acid	3200.U	
111-31-1	bist-2-ChloroethoxylMethane	660.u	
120-83-2	2, 4-Dichlarcohenol		
120-82-1	1, 2, 4-Trichlorobenzene		l
91-20-3	Naghthalene		l
106-47-8	4-Chloroaniline		
87-68-3	Herachlorobutadiene		
59-50-7	4-Chioro-3-Methylphenol		
91-57-5	2-Methylnaonthalene		
77-47-4	Hexachiorocyclopentadiene	4	
88-06-2	2, 4 6-Trichlorophenal bis	سمعدد با	u
95-95-4	2, 4.5 Trichlorophenol 5100	· 3200. a	۲
91-58-7	2-Chloronaghthalene	660.4	
88-74-4	2-Nitroaniline	3200. U	l
131-11-3	Oimethyl Phthalate	660. u	ĺ
208-95-8	Acensonthylane	650. U	
99-09-2	3-Nitroaniline	3100.U	

CAS		ug/lo ug/K
Number		(Circle One
83-32-9	Acanaphtnene	660.4
51-28-5	2, 4-Dinitrophenol	3200·4
100-02-7	4-Nitrophenol	3200.4
132-64-9	Dibenzofuran	660. U
121-14-2	2 4-Dinitrotolugne	
606-20-2	2 5-Dinitratoluene	
84-66-2	Diethylohthalate	
7005-72-3	4-Chlordonenyl-phanylether	
86-73-7	Fluorana	¥
100-01-6	4-Nitroaniline	3200.4
534-52-1	4, 6-Dinitro-2-Mathylonenoi	3200.4
25-30-6	N-Nitrasodighenvlamine (1)	660. 4
101-55-3	4-Bromophenvi-phenviether	1
118-74-1	Mexachiorobenzene	¥
87-86-5	Pentachlorophenol	3200. u
85-01-8	Phenanthrene	660.U
120-12-7	Anthracene	660.U
84-74-2	Oi-n-Butylohthalate	3900. 8
206-44-0	Fluoranthene	660.u
129-00-0	Pyrane	75. J
85-68-7	Butylbenzylphthalate	1500.
91-94-1	3 3'-Dichloropenzidine	1300.4
56-55-3	SenzolalAnthracene	660. u
117-81-7	5:42-EthylnexyllPhthalate	
218-01-9	Chrysana	
117-84-0	Di-n-Octyl Phthalate	4
205-99-2	Benzo(b)Fluorantmene	100. 3
207-08-9	Senzak)Fluorantnene	81.7
50-32-8	BenzalPyrene	660. U
193-39-5	Indenoi1 2, 3-cd)Pyrene	
53-70-3	Oibenzia hiAnthracene	
191-24-2	Benzoig in liPerviene	4

(1)-Cannot be separated from diphenylamine

Case NoEG	:G 23550	<u></u>			Sample Number
Case No		ganics Analysis (Page 3)		et	FS-2
		Pesticide/P	~ 0 .		0017
				_ \	
Concentration (Low)	Medium (Ci		GPC Cleanu	ip 🗆 Yes 💆 N	0
ate Extracted / Prepared:	13-15-8	<u> </u>	Separatory Funnel Extraction		
	12-20-56				
	112, 110				
ercent Moisture (decante	ed)				
C. COLLE INTERIOR DE LA SOCIETA	-,				
	CAS Number			I or ug / Kg	
	319-84-6	Alona-BHC	1 ^	(A	
_	319-85-7	Beta-BHC			
,	319-86-8	Delta-BHC			
	58-89-9	Gamma-BHC (Lindar	re)		
	75-44-8	Heptachlor			
	309-00-2	Aldrin			•
	1024-57-3	Heptachior Epoxide	Ì		
	959-98-8	Endosulfan I			
	60-57-1	Dieldrin			
	72-55-9	4.4-0DE			
	72-20-8	Endrin			
	33213-65-9	Endosulfan il			
	72-54-8	4, 4'-000			
	1031-07-8	Endosultan Sulfate			
	50-29-3	4 4-007			
	72-43-5	Methoxychior			
	53494-70-5	Endrin Ketone			
	57.74.9	Chlordane		2	
	8001-35-2	Toxaghene	180	0.04	
	12674-11-2	Arocior-1016	33	·ou	
	11104-25-2	Aractor-1221	93	.०५	
		Arocior-1232	84	.04	
	53469-21-9	Arocior-1242	13	QU	
		Arocior-1248		.cu	
	11097-69-1	Arccior-1254		ou	
	11096-82-5	Arocior-1250	150	ou	

 $W_g = Weight of sample extracted (g)$ $V_t = Volume of total extract (ut)$

orw. 30.05a v. 20000,10 v. 2,10,5,1

Sample Number FS - 3

Organics Analysis Data Sheet (Page 1)

00238

Laboratory Name: <u>ITAS - KNOX</u> Lab Sample ID No: <u>AA 5990</u> Sample Matrix: <u>Feed Stock</u>	QC Report No:	EGG 23550
Data Release Authorized By:	Date Sample	Received: 12-9-8-
	Volatile Compounds	
Date Analyzed: Conc/Dil Factor:	stracted/Prepared: <u>NA</u>	DO VOLATILE ANALYSIS REQUESTED THIS SAMPLE NUMBER

CAS Number	,	ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	NA
74-83-9	Bromomethane	
75-01-4	Vinvi Chloride	
75-00-3	Chlorosthana	
75-09-2	Methylene Chloride	
67-64-1	Acatona	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichlorostnene	
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichtoroether e	
67-56-3	Chloroform	
107-06-2	1, 2-Dichloroethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichloroethane	
56-23-5	Carbon Tetrachloride	
108-05-4	Vinyl Acatata	
75-27-4	Bromodichloromethane	V

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	NA
10061-02-6	Trans-1, 3-Dichloropropene	,
79-01-8	Trichtoroethene	
124-48-1	Dibromochioromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10061-01-5	dis-1, 3-Dichloropropens	
110-75-8	2-Chlorosthylvinylether	
75-25-2	Bromoform	
108-10-1	4-Methyl-2-Pentanone	
591-78-8	2-Hexanone	
127-18-4	Tetrachloroethene	
79-34-5	1, 1, 2, 2-Tetrachioroethane	
108-89-3	Toluene	
108-90-7	Chlorobenzane	
100-41-4	Ethylbenzene	
100-42-3	Styrene	
	Total Xvienes	*

Data Reporting Qualifiers

For reporting results to CPA, the following results qualifiers are used. Additional Rings or fournisses exclaiming results are encouraged. However, the definition of each flag must be explicit.

- Value III the result is a value greater than or equal to the detection limit, report the value.
- Indicates compound was analyzed for but not detected. Ansort the minimum detection limit for the semple with the Q. (100) based on necessary concentration? dilution action. (This is not necessarity the instrument detection limit.). The following mould read: U-Compound was analyzed for but not detected. The number is the minimum attainable detected limit for the sample.
- J Indicates an estimated value. This flag is used wither when estimating a concentration for terratively identified compounds where a 1-1 response is assumed at when the mess spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified distoction limit but greater then zero (e.g., 100). If find of detection is 10 µg/l and a concentration of 3 µg/l is calculated, report as 3.3.
- C. This flag applies to posterife our emisers where the internitication has been confirmed by GC-MS. Single component pesticides ≥10 reg/ul in the final extract should be confirmed by GC/MS.
- The flag is used when the analyse is found in the blank as well as a sample. It imposes possible pronous blank constrainments and were the acts user to lake appropriate action.

Other specials flacts and footnoises may be required to property serving the regular. If used, may must be fully discribed and such description assembled to the data summary rec. If

Form 1

Laboratory Name:	ITAS-KNOXVIILE	Samuladi
Case No	EGG 23550	Sample Number F5-3
	Organics Analysis Data Sheet (Page 2)	AA 5 8 9 0

Semivolatile Compounds

Concentration: Low	Medium (Circle One)	GPC Cleanup OYes BNo
Date Extracted / Prepared:	12-15-86	Separatory Funnel Extraction
Date Analyzed:	1-9-87	Continuous Liquid - Liquid Extraction GY29 NA
Conc/Dil Factor: 10.03	3001/1.0 ml) 0.9156	Drynen factor
Percent Moisture (Decante	ed) <i>NA</i>	n'inn factor

CAS Number	,	ug/I orug/K		CAS Number		ug/loug/Ko
108-95-2	Phenoi	330.4	7	83-32-9	Acensonthene	330.4
111-44-4	bisi-2-ChloroethvilEther		7	51-28-5	2. 4-Dinitrophenol	1600.4
95-57-8	2-Chiorophenai	1	7	100-02-7	4-Nitrophenol	1600. U
541-73-1	1 3-Dichloropenzene		7	132-64-9	Dibanzofuran	330. u
105-45-7	1 4-Dichlorobenzene]	121-14-2	2 4-Dinitrotoluene	
100-51-6	Benzvi Alcohol]	605-20-2	2. 6-Dinitratoluene	
95-50-1	1 2-Dichlorogenzene]	84-66-2	Diethylphtha/ate	
95-48-7	2-Methylphenol		1	7005-72-3	4-Chioropnenvi-pnenvietner	
39533-32-9	bist2-chloroisopropyl)Ether		1	86-73-7	Fluorene	→
106-44-5	4-Methylpheno		1	100-01-6	4-Nitroaniline	1600.4
621-64-7	N-Nitroso-Di-n-Proovlamine		1	534-52-1	4, 6-Dinitro-2-Methylphenol	1600.4
67-72-1	Hexachioroethane		1	85-30-6	N-Nitrosodionenviamine (1)	30.4
98-95-3	Nitrobenzene		1	101-55-3	4-8romognenyl-phenyletner	
78-59-1	Isophorone		1	118-74-1	Hexachlorobenzane	V
88-75-5	2-Nitrophenol		i	87-85-5	Pentachiorconenoi	1600.4
105-67-9	2. 4-Dimethylphenol	1 1	1	85-01-8	Phenanthrene	330.4
65-85-0	Benzoic Azid	1600.4	1	120-12-7	Anthracene	330.4
111-91-1	bist-2-ChloroethoxylMethane	3 30. u		84-74-2	Ci-n-Butylohthalate	1600.8
120-83-2	2. / Dichlaraphenal	-	Ī	206-44-0	Fluoranthene	38.5
120-82-1	1. 2. 4-Trichlorobenzene		Ì	129-00-0	Pyrana	ا رات
91-20-3	Naphthalens			85-68-7	Butylbenzylphthalate	2300
106-47-8	4-Chloroaniline			91-94-1	3. 3'-Dichloropenzidine	460. u
37-68-3	Hexachlorobutadiene			56-53-3	BenzalajAnthracene	330.4
59-50-7	4-Chioro-3-Methylohenol			117-81-7	bisi2-EthylhexvI)Phthalate	
91-57-6	2-Methylnaonthalene			218-01-9	Chrysene	
77-47-4	Hexachlorocyclopentadiene	4		117-84-0	Di-n-Octyl Phthalate	i
88-06-2	2, 4 6-Trichlorophenol	370. 4 3 600-	MACH	205-99-2	BenzabiFluorantnene	
95 95-4	2. 4 5-Trichlarophenoi	3600 L600-	1-164	207-08-9	Benzoix)Fluoranthene	
11-58-7	2-Chloronaonthaisne	330.4		50-32-8	BenzalPyrane	
38.74.4	2-Nitroaniline	1600.4		193-39-5	Indenoc1, 2, 3-cdiPyrene	
31-11-3	Dimethyl Phthalate	330.u		53-70-3	Olbenzia hlAnthracene	
208-96-8	Acensphinviene	330.u		191-24-2	Benzaig h ilPerviene	4
9.09.2	3-Nitroanitine	1600.u				

(1)-Cannot be separated from diphenylamine

Form !

Laboratory Name		AS_	Knoxyille
Case No	EGG	23	550

Sample Number FS -3

Organics Analysis Data Sheet (Page 3)

00241

Pesticide/PCBs

Concentration L	ow Medium	(Circle One)	GPC Cleanup DYes No
Date Extracted / Prep	ared 12-15-	প্রত	Separatory Funnel Extraction (1)
Date Analyzed:	12-20-86	1-16-87	Continuous Liquid - Liquid Extraction @Yes
Conc Dil Factor	14, 420		
Percent Moisture (de	canted)		

CAS Number		ug/lokus/Kg (Circh Una)
319-84-6	Alpha-BHC	NA
319-85-7	Beta-BHC	
319-86-8	Delta-BHC	
58-89-9	Gamma-BHC (Lindane)	
76-44-8	Meptischlor	
309-00-2	Aldrin	
1024-57-3	Heptachior Epoxide	
959-98-8	Endosulfan I	
60-57-1	Oreidrin	
72-55-9	4. 41-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4 4 -DOD	
1031-07-8	Endosulfan Sulfate	
50-29-3	4 4'-00T	
72-43-5	Methoxychiar	
53494-70-5	Endrin Ketone	
57-74-9	Chlordane .	
8001-35-2	Toxashene	170.04
12674-11-2	Arnetor-1016	87.04
11104-28-2	Aroctor-1221	87.04
11141-16-5	Arocior-1232	37.04
53469-21-9	Aracior-1242	87.04
12672-29-6	Arocior-1248	87.04.
11097-49-1	Arccior-1254	170.04
11096-82-5	Aractor-1250	170.04

- V_i = Volume of extract injected (ui)
- V_g = Volume of water extracted (mi)
- W_g = Weight of sample extracted (g)
- V_t = Volume of total extract (ul)

٧ <u>,</u>		or W ₃	30.019	v,	20000,0	_ v	كسرها.	<u>) , 5</u> ,	<u></u>
------------	--	-------------------	--------	----	---------	-----	--------	----------------	---------

Sample Number FS-5

Organics Analysis Data Sheet (Page 1)

AA6416

00143

Laboratory Name: 17AS - KNOXVILLE Lab Sample ID No: AA6416 Sample Matrix: Feed Stock Data Release Authorized By: W.7- Wilson	QC Report No:	:
Volatile	Compounds	
Concentration: Low Date Extracted/Prepar Date Analyzed: Conc/Dil Factor: Percent Moisture: (Not	ed:	NO VOLATILE ANALYSIS REQUESTED THIS SAMPLE NUMBER

CAS Number	•	ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	NA
74-83-9	Bromomethane	
75-01-4	Vinvi Chlorida	
75-00-3	Chlorostnane	
75-09-2	Methylene Chloride	
67-64-1	Acetona	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichloroethene	
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichloroethane	
67-66-3	Chlarafarm	
107-06-2	1, 2-Dichlaroethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichloroet:ane	
56-23-5	Carbon Tetrachtoride	
108-05-4	Vinyl Acetate	
75-27-4	Bromodichloromethane	*

CAS Number	· · · · · · · · · · · · · · · · · · ·	ug/1 or ug/Kg (Circle One)
78-87-5	1, 2-Dichlaropropane	INA
10061-02-6	Trans-1, 3-Oichtoropropene	
79-01-6	Trichtoroethene	
124-48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10061-01-5	cis-1, 3-Dichloragropene	
110-75-8	2-Chloroethylvinvlether	
75-25-2	Bromatorm	
108-10-1	4-Methyl-2-Pentanone	
591-78-6	2-Hexanone	
127-18-4	Tetrachloroethene	
79-34-5	1, 1, 2, 2-Tetrachioroethane	
108-83-3	Toluene	
108-90-7	Chlorobentana	
100-41-4	Ethylbenzene	
100-42-5	Styrene	
	Total Xvienes	*

Date Reporting Qualifiers

For regarding results to EPA, the following results qualdicrs: "9 vs.ed.
Additional flags of Sopriores explaining results are encouraged. However, the
definition of each flag must be explicit.

- Value If the result is a value greater than or equal to the detection limits, report the value.
- U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (if g., 100) based on necessary concentration? distinct action. (This is not necessarily the instrument detection limit.). The footnote should read. U-Compound was analyzed for but not detected. The number is the minimum attainable desection limit for the sample.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1.1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g., 102). If limit of detection is 10 µg/t and a concentration of 3 µg/t is calculated, report as 3.3.

- G This hap applied to posticide parameters where the identification has been confirmed by GC MS. Single component pesticities ≥10 ng/ul in the final extract should be confirmed by GC/MS.
- This flag is used when the analyse is found in the blank as with as a sample. It indicates possible prohable blank containment and warms the data user to take appropriate action.

 Other specific flags and footnotes may be required to properly defined the results. If used, they must be fully described and such description attached to the data summary report.

For	m I

Laboratory Name:	1TA	5-Knoxville
Case No:	EGG	23609

Sample Number F5 - 5

Organics Analysis Data Sheet (Page 2)

A 4 6416

00144

Semivolatile Compounds

Canana	
Concentration:	

(low) Medium

(Circle One)

GPC Cleanup DYes ENo

Date Extracted (Prepared: 12-22-86

Separatory Funnel Extraction □Yes ~ +

Date Analyzed: _____

99-09-2

3-Nitroaniline

1-10-87

Continuous Liquid - Liquid Extraction DYes MA

Conc/Dil Factor: _________(0.0322 Kg/1.0ml) 0.9204

Percent Moisture (Decanted)

-		
CAS Number		Ug/I o Ug/Ko
108-95-2	Phenol	6600
111-44-4	bist-2-ChloroethyllEther	
95-57-8	2-Chiorophenol	
541-73-1	1 3-Dichloropenzene	
105-45-7	1 4-Dichlorobenzene	
100-51-6	Senzyl Alcohol	
95-50-1	1 2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chioroisopropyl)Ether	
106-44-5	4-Methylpheno	
621-64-7	N-Nitroso-Di-n-Propviamine	
67-72-1	Mexachioroethane	
98-95-3	Nitropenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-57-9	2. 4-Dimethylphenol	1/
65-85-0	Benzoic Acid	3200
111-91-1	bist-2-ChloroethoxylMethane	6600
120-83-2	2. 4-Dichlorophenal	
120-82-1	1, 2, 4-Trichloropenzene	
91-20-3	Naphthalene	
106-47-8	4-Chloroantine	
87-68-3	Hexachiorobutadiene	
59-50-7	4-Chloro-3-Methylphenol	
91.57.6	2-Methylnaphthalene	
77-47-4	Hexachiorocyclopentagiene	
B8-06-2	2, 4, 6-Trichlorophenoi	1 1
95.95-4	2. 4. 5-Trichtoropherio	32000
91-58-7	2-Chloronaphthalene	6650
88-74-4	2-Nitroaniline	32000
131-11-3	Dimethyl Phihalate	6600
208-95-8	Acensoninviene	160,22000
		The same of the sa

CAS . Number		(Circle One)
83.32.9	Acenaphinene	640U
51.28.5	2, 4-Dinitrophenol	3260
100.02.7	4-Nitropnenol	
132-64-9	Dibenzoturan	37000
121-14-2	2 4-Dinitrotolyene	\$400
		
81-66-2	2, 6-Dinitrototuene	
	Diethylphthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorane	<u>/</u>
100-01-6	4-Nitroaniline	3 200 0
534-52-1	4, 6-Dinitro-2-Methylanenol	32000
86-30-6	N-Nitrosodionenviamine (1)	160 U
101-55-3	4-Bramaphenvi-phenvietner	
118-74-1	Hexachioropenzane	
87-86-5	Pentachiorophenoi	32000
85-01-8	Phonanthrene	660 y
120-12-7	Anthracene	\$600
84-74-2	Di-n-Butvionthalate	170, JB
206-44-0	Fluorantnene	ين ٢٠٠٥ وا
129-00-0	Pyrene	
85-58-7	Butylbenzylonthalate	/
91-94-1	3. 3'-Dichtorobenzidine	(3000
56-55-3	Benzola)Anthracane	5600
117-81-7	bisi2-Ethvinexvi)Phthalate	
218-01-9	Chrysene	
117-84-0	Di-n-Octyl Phinalate	
205-99-2	Benzabifluoranthene	
207-08-9	Benzokifluoranthena	
50-32-8	BenzolalPyrene	
193-39-5	(Indenoi1, 2, 3-cd)Pyrene	
53-70-3	Dibentia hiAnthracene	
191-24-2	Benzaig h i)Perviene	1

7/85

846

Laborato	ry NameT	45 knowille	
Case No	EGG	23609	

Percent Moisture (decanted) _

Sample Number FS-5

Organics Analysis Data Sheet (Page 3)

00146

Pesticide/PCBs

Concentration	Low Medium	(Circle One)	GPC Cleanup □Yes ♥No
Date Extracted	Prepared 12-22	-80	Separatory Funnel Extraction
Date Analyzed	1-10-87		Continuous Liquid - Liquid Extraction @Ya
Conc. Dul Factor	y 10, 410c		

CAS Number		ug/lotug/Ko (Circle One
319-84-6	Alpha-CHC	NA
319-85-7	Beta-BHC	
319-86-8	Delta-BHC	
58-89-9	Gamma-BHC (Lindana)	
75-44-8	Heptachior	1.0
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan I	
€0-57-1	Dieldrin	
72-55-9	4 4 -DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4, 4'-000	
1031-07-8	Endosulfan Sulfate	
50-29-3	4, 4 - ODT	
72-43-5	Methoxychiar	
53494-70-5	Endrin Ketone	
57-74-9	Chlordane	+
8001-35-2	Toxaphene	320.0U
12674-11-2	Arcelor-1016	110.4
11104-28-2	Aroctor-1221	630.U
11141-16-5	Arector-1232	87.0U
53469-21-9	Aroclor-1242	87.0U
12572-29-6	Arocior-1248	94.00
11097-69-1	Arocior-1254	170.04
11096-82-5	Aroctor-1250	270.04

V_i = Volume of extract injected (ul)

V_{g..}.≖ Volume of water extracted (ml)

W_g * Weight of sample extracted (g)

V, = Volume of total extract (ul)

					•	^
٧,	 or W.	30.22 a	٧,	2000001	· v	5,0

7 85

Sample Number FS-L

Organics Analysis Data Sheet (Page 1)

AA6414

00201

Lab Sample Sample Ma	Name: ITAS -KNOXI ID No: AA6414 trix: Feed Stock se Authorized By: W.T.		Contract No:	E G G 23609 D:	
		Volatile Co	mpounds		
CAS	Date An Conc/Di	ration: Low racted/Prepared: alyzed:A il Factor:A Moisture: (Not De	NA VApH	ANAL REQU SAMP	OLATILE YSIS ESTED THIS LE NUMBER
Number	,	(Circle One)	Numt :r		(Circle One)
74-37-3	Chloromethana	NA	78-87-5	1, 2-Dichloropropane	INA
74-83-9	Bromomethane		10061-02-6	Trans-1, 3-Dichloropropen	7
75-01-4	Vinvi Chloride		79-01-6	Trichloroethene	
75-00-3	Chloroethane		124-48-1	Dibromochloromethane	
75-09-2	Methylane Chloride		79-00-5	1, 1, 2-Trichtoroethane	
67-64-1	Acetone		71-43-2	Benzene	
75-15-0	Carbon Disulfide		10061-01-5	cis-1, 3-Dichleropropene	
75-35-4	1, 1-Dichtorosthene		110-75-8	2-Chloroethylvinylether	
75-34-3	1, 1-Dichloroethane		75-25-2	Bromotorm	
156-60-5	Trans-1, 2-Dichtoroginene		108-10-1	4-Methyl-2-Pentanone	
67-66-3	Chieroform		591-78-8	2-Hexanone	

Data Reporting Qualifiers

127-18-4

79-34-5

108-88-3 108-90-7

100-41-4

100-42-5

For reporting natures to EFA, the following results qualifiers are used.

Additional flags or footnotes explaining results are oncouraged. However, the definition of each flag must be explicit.

Value — If the result is a value ground than or equal to the desection it has report the value.

1, 2-Dichloroethane

1, 1, 1-Trichloroethane

Bromodichloromethane

Carbon Tetrachloride

2-Sutanona

Vinvi Acatata

107-08-2

78-93-3

71-55-6

56-23-5

108-05-4

75-27-4

- Indicates compound was analyzed for but not detected. Report the minimum detection living for the sample with the U (e.g., 10U) based on necessary concentration / distron action. (This is not necessarily the instrument distection limit.). The footnote should read: U-Compound west analyzed for but not detected. The number is the minimum attainable desection limit for the sample.
- Indicates an estimated value. This flag is used either where estimating a concentration for tentatively identified compounds where a 1.1 response is assumed or when the meas spectral data indicated the presence of a compound that meats the identification criteria but the result is less than the specified detoction limit but greater than zero (e.g., 10.5). If firms of detection is 10 µq/1 and a concentration of 3 µq/1 is calculated, report as 3.3.
- G. This flag aboves to pessicide personners where the identification has been confirmed by GC-MS. Single componint pessicides ≥10 ng/ul in the final extract should be confirmed by GC/MS.

Tetrachloroethene

Chlorobenzane

Ethylbenzene

Total Xylenes

1, 1, 2, 2-Tetrachioroethane

8 This flag is used when the analyse is found in the blank as well 44 a sumple. It indicates possible-prohible blank centainmation and warns the data user to take appropriate action.

Other specific flags and footnotes may be required to ordine the define the results. X used, they must be fully described and such describtion attached to the data summary report.

Form 1

Laboratory Name	ITAS-KNOXVIIL
Case No:	EGG 43 609

Sample Number FS-6

AA6414 AA6414D *

Organics Analysis Data Sheet (Page 2)

Semivolatile Compounds

0	0	2	n	2
•	v	\sim	•	~

Concentration: Low Medium (Circle One)

Date Extracted / Prepared. 12-22-86

Date Analyzed: 1-09-87

Conc/Dil Factor: (003005 Kg / 1.0 = 1) 0.9078

Percent Moisture (Decanted) ...

NA

Separatory Funnel Extraction GYes NA

GPC Cleanup DYes ENo

Continuous Liquid - Liquid Extraction = Yes NA

CAS Number		ug/loug/Ko
108-95-2	Phenol	330. u
111-44-4	bisi-2-ChioroethvilEther	
95-57-8	2-Chiorophenol	
541-73-1	1 3-Dichlorobenzane	
106-46-7	1 4-Dichlorobenzene	
100-51-6	Senzyi Alcohol	1
95-50-1	1 2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chioroisopropyl)Ether	
105-44-5	4-Methylpheno;	
621-64-7	N-Nitroso-Di-n-Propylamine	1
37-72-1	Hexachioroethane	I
98-95-3	Nitropenzene	
78 59-1	Iscanorone	ı
88-75-5	2-Nitrophenoi	¥
105-67-9	2, 4-Dimethylphenol	220.5
65-85-0	Benzoic Acid	1600.4
111-91-1	bisi-2-ChioroethoxvMethane	3 3 0, <u>u</u>
120-83-2	2, 4-Dichlorophenol	210. 7
120-82-1	1, 2, 4-Trichlorobenzene	330. U
91-20-3	Naphthaiene	
106-47-8	4-Chlorosniline .	
87-68-3	Hexachiorobutadiene .	
5C+±0-7	4-Chloro-3-Methylphenol	
91-57-6	2-Methyinaphthalane	
77-47-4	Mexachiorocyclopentadiene	
88-06-2	2, 4 6-Trichlorophenol	¥
95-95-4	2, 4, 5-Trichlarophenol	. 5700. 4.
31-53-7	2-Chioronaphthalene.	330.4
93.74-4	2-Naroaniline	1630.u
131-11-3	Dimethyl Phthalate	330. U
208-95-8	Acensonthylana	330 u
9-09-2	3-Nitroaniline	1600.u

CAS Number		ug/locug/K
83-32-9	Acanaphthene	330.4
51-28-5	2, 4-Dinniophenol -	1600.4
100-02-7	4-Nitrophenol	1600 4
132-64-9	Dibenzofuran	330.u
121-14-2	2 4-Dinitrotoluene	
606-20-2	2 6-Dinitrotoluene	1
84.55.2	Diethylphthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorane	V
100-01-6	4-Nitroaniline	1600.4
534-52-1	4, 6-Dinitro-2-Methylphenol	1600.4
86-30-5	N-Nitrosodiphenvlamine (1)	330. u
101-55-3	4-Bromophenvi-phenylether	
118-74-1	Hexachioropenzene	¥
87-86-5	Pentachiorophenol	1600 u
85-01-8	Phenanthrene -	330.U
120-12-7	Anthracene	330.U
84-74-2 .	Di-n-Butylphtnalate	. 73.58
205-44-0	Fluorantnane	330.W
129-00-0	Pyrane	!
35-68-7	Butyloenzylonthalate	v
91-94-1	3.3'-Dichlorobenzidine	- 660.u
á6∙á5∙3	SenzolalAnthracane	330.L
117-81-7	bis/2-Ethylnexyl)Phthalate	
218-01-9	Chrysane	
117-84-0	Di-n-Octyl Phtralate	
205-99-2	Benzoit Fluoranthene	
207-03-9	denzo(k)Fluoranthene	
50-32-8	Benzo(s)Pyrene	
193-39-5	Indanol 1, 2, 3-cd/Pyrane .	
53-70-3	Dibenità hiAmpracene	
191-24-2	Benzoig_h, i/Perviene	٧

(1)-Cannot be separated from diphenylamine

* value taken from dilution

Laboratory Name	TT45	Knozville
Case No	EGG	23609

Sample Number FS - G

Organics Analysis Data Sheet (Page 3)

Pesticide/PCBs

00204

Concentration Low Medium (Circle On/a)	GPC Cleanup □Yas ऄॣNo
Date Extracted Prepared 12-22-86	Separatory Funnel Extraction C Yes
Date Analyzed 1/9,11/87	Continuous Liquid - Liquid Extraction @Yes
Core (Dil Factor) 100 1100	
Parcent Moisture (decarited)	

CAS Number		ug/lor/ug/Xg (Circle One)
319-84-6	Alona BHC	NA.
313 65-7	Beta-8HC	
319 86.5	Delta-8HC	
58 89.9	Gamma-8HC (Lindana)	
79 44-5	Hegtachior	
25 30-2	Aldrin	
1024-37-3	Reptachior Eposide	
959-98-8	Endoquitan i	
50-57-1	Overdance	
72 55-9	4 4 - OCE	
72-20-8	Endon	
33213-85 9	Endosulian il	
72-54-8	4 A CCC	
1031-07-8	Endocullan Sulfate	
50-29-3	4 4 001	
72-43-5	Marhor City	
53494-70-5	i{ wiin Kiston e	
57-74-9	Chrove#n•	<u> </u>
6001-35-2	Tollaphene	320 OU
12674-11-2	Armotor-1016	115.0
11104-28-2	Arocior 1221	'5º0 U
11141-16-5	Arretor-1232	ଜ୍ଞ ତଧ
53489 21.9	Aroctor-1242	84 CU
12872-29-6	Araciar-1248	95 cu
11097 53-1	Aroctor-1254	170.00
11036 82-5	Arccior-1280	<i>⊒</i> %00U

- V₁ * Volume of extract injected (ui)
- V . 1 Volume of water extracted (mi)
- W_ * Weight of sample extracted (g)
- V. . Volume of total extract (ul)

Sample Number AD-1

Organics Analysis Data Sheet (Page 1)

AA 5991RZ

00009

Laboratory Name: ITAS - KNOXVILLE		Case No:EGG	Z3 <i>SS</i> 0
Lab Sample ID No: AA	5891RZ	QC Report No:	
Sample Matrix: Ash		Contract No:	
Data Release Authorized By:	W.T. William	Data Sample Received:	12-9-86
	Volatile C	ompounds	
	Concentration: Low	Medium (Circle One)) NO VOLATILE
	Date Extracted/Prepared		ANALYSIS REQUESTED THIS
	Date Analyzed:		SAMPLE NUMBER
	Conc/Dil Factor:	<i>NA</i> pH	.)
	Percent Moisture: (Not D	ecanted)	

CAS Number	7	ug/l or ug/Ko (Circle One
74-87-3	Chloromethane	NA
74.83.9	Bromomethane	1
75-01-4	Vinvi Chloride	1 1
75.00-3	Chloroethane	
75-09-2	Methylana Chlorida	
57-54-1	Acetone	
75-15-0	Carbon Districts	
75-35-4	1. 1-Orchlornethens	
75-34-3	1, 1-0ichloroethane	
155-50-5	Trans-1, 2-Dichtorosinene	
57-56-3	Chloraform	
107-06-2	1, 2-Dichlorgethane	
79-93-3	2-Butanone	
71.55-6	1, 1, 1-Trichtoroethane	
56-23-5	Carbon Tetrachloride	
108-05-4	Vinyl Acetate	
75.27.4	Bromodichioromethene -	🕹

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	NA
12061-02-6	Trans-1, 3-Dichlaropropene	
79-01-6	Trichloroethene	
124-48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10061-01-5	dis-1 3-Dichleropropens	
110-75-8	Z-Chloroethylvinviether	
75-25-2	Bromaterm	
108-10-1	4-Methyl-2-Pentanone	
591-78-8	2-Hexanone	
127-18-4	Tetrachlorcethene	
79-34-5	1, 1, 2, 2-Tetrachigroethane	
108-88-3	Toluene:	
108-90-7	Chitoropenzene	
100-41-4	Emybenzera	
100-42-5	Styrana	
,	Total Xylones	. *

Date Reserving Qualifiers

For repainting nearing so GPA; this heliconing rearing qualificate and USEAL. Additioned Repg of Institutes a coloroning rearing are strong agod. Homelist, the definition of each Reg must be engined.

- Value If the result is a value greater than or execut to the denotion limit report the value.
 - U Inductors compound with analyzed for but not defected. Report the numerical defection limit for the serious with the U is g., 100) beside an inecessary concentration could not not not the same tot nestruneer defection limit. The footnoise should cost U-Compound and analyzed for the not detected. The number is the numerical analyzed for the next detection.
 - J Indicates an estimated value. This flag is used evider where estimating a concentration for removinity isentified commounts where a 1.1 resolution is assumed of when the meas solver of fare indicated the presence of a compound that meas the interchion criterie but the result is irise than the solver additional criteria but the result is irise than the solver add detection first fixed greater shain zero (e.g., 100). If time of governor is 10 ye/1 and a concentration of 3 ye/1 is calculated, receive as 3J.
- C. This has appries to secricide peramisers inheres the identification has been confurmed by GC-hS−. Surgid component posicions ≥10 ng/ul in the hiral extract should be confurmed to GC. NS.
- B. This has is used when the energy is found in the black as well as a sample. It introduces possible presides black conservations and works the data was reliate assession as action.

Other seechs flags and footnore may be resurred to crowers shring the insults. If upod, they must be fully described and such onscribeds diliched to the data summany report.

Form 1

Laboratory Name	ITAS-KNOXVIlle
Case No	EGG 23550

Sample Number
A 0-1

Organics Analysis Data Sheet (Page 2)

AA 5891 RZ

Semivolatile Compounds

00010

Concentration: Low Medium	n (Circle One)	GPC Cleanur DYes BNo
Date Extracted / Prepared.	12-15-56	Separatory Funne: Extraction (EYes M
Date Analyzed:	1-19-87	Continuous Liquid - Liquid Extraction @Yes NA
Conc/Dil Factor: (0.03002 K	9/ 1.0-1) 0.8155	
Percent Moisture (Decanted)	NA	Diynen factor

CAS Number	1	(Circle One)
108-95-2	Phenot -	330.4
111.44.4	bist-2-ChloroethytiEther	
95-57-8	2-Chiaraphenal	
541-73-1	1 3-Dichloropenzene	1
106-46-7	1 4-Dichlorobenzene	
100-51-6	Bentyl Alcohol	
95-50-1	1 2-Oichtoropenzene	
95.48.7	2-Methylonenol	
39633-32-9	DISIZ-chiaroisaaraayiiEther	
106-44-5	4.Methylphenu	
621-64-7	N-Nitroso-Oi-n-Proovlamine	
67-72-1	Mexachioroethane	
38-95-3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitroonenot	
105-67-9	2, 4-Dimethylahenai	',
65-85-0	Benzaic Acid	1400.4
111-91-1	bis 2-ChloroethoxviMethane	330.
120-83-2	2. 4-Dichtereenenet	
120-82-1	1 2, 4-Trichtoropanzana	
91-20-3	Nachthalene	
105-47-8	4-Chtroaniine	
87-68-3	Hexachiorobutadiene	
59-50-7	4-Chloro+3-Methylonenot	
91-57-6	2-Methylnaphthalene	
77-47-4	Mexachiorocyclopentadiene	
88-06-2	2 4 6-Trichtorophenal	· V
95 95-4	2, 4, 5-Trichtarponeral	1'00.14
91-58-7	2-Chloronaonthalane	330.U
88-74-4	Z-Nitroaniline	1 wau
131-11-3	Olmethyl Phinatate	330.4
203-95-5	Acensonthylene	330.U
39-09-2	3-Nitrogniting	1600.4

CAS		ug/lo(ug/Kg
Number		(Circle One
83-32-9	Acensonthene	330.u
51-28-5	2. 4-Dinitrophenoi	1600.4
100-02-7	4-Nitrophenol	1600.4
132-64-9	Olbenzofuran	330. u
121-14-2	2 4-Dinitratolyane	
506-20-2	2 5-Dinitratoluene	
84-65-2	Diethylphthalate	
7005-72-3	4-Chlorognenyl-phenylerner	
85.73.7	Fluorene	¥
100-01-6	4-Nitroaniline	1600.4
534-52-1	4, 6-Oinitra-2-Methylphenor	1600.4
96-30-6	N-Nitrosodighenviamine (1)	3}0.u
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachiorocenzene	Ý
37-85-5	Pentachiorophenoi	1600 W
85-01-8	Phenanthrana	330.4
120-12-7	Anthracene	330.U
84.74.2	Di-n-Sutylohthalate	52 co. B
208-44-0	Fluoranthane	330. LL
129-00-0	Pyrana	330 · u
85.68.7	Butytoenzytentralate	320.
91.94.1	3 3 - Dichlorobenzidine	440, u
55.55.3	Benzalanthracene	330.4
117-81-7	DISIZ-Ethythesyll@htmslate	330.4
218-01-9	Chrishe	310. W
117-84-0	Di-n-Octyl Phinalate	
205-39-2	Bantorbif luoranthene	
207-08-9	Bentoix Fluoranthana	
50-32-B	BUSINARESTURE	
193-39-5	indenal 2.3-cdiPyrana	
\$3.70.3	O-benna miAnthracene	
191-24-2	Sentaly h (Pervione	

⁽¹⁾⁻Cannot be separated from dignarylamina

Sample Number
AD-2
AA 5892

Organics Analysis Data Sheet (Page 1)

Laboratory Name: Lab Sample ID No: Sample Matrix:	AA589Z ASh	Case No:	23550 00050
	rized By: W.T. William	Date Sample Received:	12-9-86
	Volatile Co	mpounds	
	Concentration: Low Date Extracted/Prepared: Date Analyzed:	NA NA pH	NO VOLATILE ANALYSIS REQUESTED THIS SAMPLE NUMBER

CAS Number	. ,	ug/l or ug/Kq (Circle One
74-87-3	Chloromethane	NA
74-83-9	Bromomethane	
75-01-4	Vinvl Chloride	
75-00-3	Chlorcetnane	
75-09-2	Methylene Chlorida	
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-0ichlorpetnene	
75-34-3	1, 1-Dichlorosthans	
156-50-5	Trans-1, 2-Dichlorcethene	
67-66-3	Chloroform	
107-06-2	1, 2-Dichtorcethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichtoroethane	
56-23-5	Carbon Taurachideide	
108-05-4	Vinvi Acetate	
75-27-4	Bromodichloremethane	- U

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	NA
10061-02-6	Trans-1, 3-Dichtorogrogene	
79-01-8	Trichlarosthene	
124-48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10061-01-5	cis-1, 3-0ichloroprocene	
110-75-8	2-Chlorosthvivinvlether	
75-25-2	Bromotorm	
108-10-1	4-Methyl-2-Pentanona	
591-78-6	2-Hexanone	
127-18-4	Tetrachloroethene	
79-34-5	1, 1, 2, 2-Tetrachtoroethane	
108-88-3	Tatuene	
103-90-7	Chioropenzene	
100-41/4	Ethvibenzene	
100-47-5	Styrene	
	Total Xylenes	*

Deta Reserving Qualifiers

For reporting nesults to EPA, the following results eurorisms are used. Additional stage or footnotes expleming results are encouraged. However, the

- Value If the result is a value greater than or equal to the election limit
- U Indicates compound were analyzed for but not detected, Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentrations discrive action. (This is not necessarily the instrument detection limit.) The (operand should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for mais sample.
- J Indicates an estimated value. This flog is used either when estimating a concentration for terratively identified compounds where a 1.1 response is assumed or when the mess specified data indicated the presence of a compound that meet the identification criteria but the result is less than the specified detection limit but greater than zero (e.g., 102). If there of chiecens (i) 10 µg/1 and a concentration of 3 µg/1 is calculated, report as 3.2.
- G This flag acquires to protected paramisers where the identification had been confirmed by GC-MS. Single component presidens ≥10 ng/ull in the hould extract should be confirmed by GC-MS.
- 8 This fing is used when the analyse is found in the blank as well as a sample. It indicates presides graticable blank centermination and worms the deciliate is take appropriate action.

Other special flags and feetness may be required to projectly define
The results. If used, they must be field directions and such description
attached to the data summary report.

Form I

853

Laboratory Name	KNOXVille	Sample Number
Case No: EGG 2355	0	AD-2
	Organics Analysis Data Sheet	AA 5892

Semivolatile Compounds

00051

Concentration: Low Medium	(Circle One)	GPC Cleanup TYes Tho
Date Extracted / Prepared	12-18-86	Separatory Funnel Extraction
Date Analyzed:	1-9-87	Continuous Liquid - Liquid Extraction Gres NA
Conc/Dil Factor: (0.03007 K	9/1.0~1) 0.74985	n factor
Percent Moisture (Decanted)	<u>NA</u>	, FAC 101

CAS Number		ug/forug/Ka
108-95-2	Phenol	- 330. u
111.44.4	bist-2-ChloroethyllEther	
93-57-8	2-Chiaraphenal	
541-73-1	1 3-Dichtoropenzene	
105-45-7	1 4-Oichlarobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1 2-Dichloropenzene	
95.48.7	2-Methylphenol	
39633-32-3	bisi2-chloroisopropyi)Ether	
106-44-5	4-Methylahena	
621-64-7	N-Nitroso-Oi-n-Propylamine	
67-72-1	Hexachlordethane	
98-95-3	Nitrobenzene	
78-59-1	Isapharane	
88-75-5	2-Nitrophenal	-
105-57-9	2, 4-Dimethylphenol	Ψ _
65-85-0	Benzoic Acid	1600.4
111-91-1	bist-2-ChioroethoxviMethane	350. U
120-83-2	2, 4-Dichlordahenol	·
120-82-1	1. 2. 4-Trichlorobenzane	
91.20.3	Naonthalene	
106-47-3	4-Chlorouniline	
87-68-3	Hexachioroputadiene	
59-50-7	4-Chloro-3-Methylohenol	
91-57-8	2-Methylnaphthalane	
77-67-4	Hesachtorocyclopentadiene	
98-05-2	2 4 6-Trichiordonandi	¥
35 95.4	2, 4 5-Trichlorophenol	1600.4
91-58-7	2-Chloronaphthalane	330.4
88-74-4	2-Nitroanitine	14004
131-11-3	Dimethyl Phinalate	330.4
208-95-9	Acensorithylane	330.4
99-09-2	3 Nurgandine	1600.4

CAS		ug/10 ug/K
Number		(Circle One
83-32-9	Acensontnene	330.4
51-28-5	2. 4-Oinitroonenoi	1600.4
100-02-7	4-Nitrophenol	1600.4
132-64-9	Dibenzofuran	130.4
121-14-2	2 4-Dinitrotoluene	
606-20-2	2 5-Dinitrototuene	
84-66-2	Dietnylohthalate	
7005-72-3	4-Chlorophenyi-phenylether	
86-73-7	Fluorana	¥
100-01-6	4-Nitroaniline	1600.4
534-52-1	4, 6-Dinitro-2-Methylphenoi	1600.4
86-30-8	N-Nisrosodipheliylamine (1)	3}0.u
101-55-3	4-Bromophenvi-phenviether	
118-74-1	Hetachtoropenzene	¥
87-86-5	Pentachiorophenol	1600.4
85-01-8	Phenanthrene	330.4
120-12-7	Anthracene	
84-74-7	Di-n-Butylphthalate	
205-44-0	Fluorantene	
129-00-0	ryiana	
85-68-7	Butyloantylahthalata	Ą
91-94-1	3. 3'-Oichtorppenzidine	660. u
56-55-3	Benzalanthracene	330.4
117-31-7	bisi2-EthylhesvilPhthalate	
218-01-9	Chrysene	
117-34-0	Di-n-Octyl Phihalate	
205-99-2	3enzabifluorantnene	
207-03-9	dentaki/fluoranthene	
50-32-8	Sentota.Pyrene	
193-39-5	Indendi 1, 2, 3-cdiPyrene	
53-70-3	Oibenna hlanthracene	
131-24-2	Benzala h ilPervione	Y

⁽¹⁾⁻Cannot be separated from diphenylamine

Form I

Laboratory Name		MC		Sample Number
Case No EGG	3355U			AD-2
	Or	ganics Analysis D (Page 3)	ata Sheet	
		Pesticide/PC	8s	00053
Concentration Low	Medium (Cir	rcte One) (PC Cleanup DYes	ĎNo
Date Extracted / Prepared	1245-80		/ Separatory Funnel E	
Date Analyzed	12-19-86			Liquid Extraction DYes
	1	······································	ontingous Eidaia - i	Eddio Extraction D 142
Conc (Dil Factor)			, ,	
Percent Moisture (decante	rd)		, .	
	CAS Number		ug/I or ug/Ki (Circle One	
	319-84-6	Alona-BHC	INA	Ì
	319-85-7	Beta-BHC		1
1	319-86-8	Oelta-BHC		
	58-89-5	Gamma-BHC (Lindane)]
	76.44-8	Heptachlor]·
	309-00-2	Aldrin		
	1024-57-3	Meptachlor Eposide]
	959-98-8	Endosulfan I		1
	60-57-1	Dieldrin		
	72-55-9	4.4.00E		
	72-20-8	Endrin		
	33213-65-9			
	72.54.8	4.4.000		
	1031-07-8	Endosulfan Sulfate		
	50.29.3	4 4 007		
	72.43.5	Methoxychior		
	57.74.9	Endrin Katome Chiordane		·
		Toxagnene	310.CU	
	Samuel Contract of the Contrac	Aroclot-1015	110.4	
		Arocior: 1221	110.4	
		Aroclor-1232	110.4	
		Arocior-1242	110.4	
	12572-29-6	Arocior-1248	110.4	
	11097-89-1	Aroclor-1254	210.04	
	11096-82-5	Arocior-1250	210.04	
	v _s	* Volume of extract inje * Volume of water extra * Weight of sample extr	cted (ml)	·

«W, 30.079 v, 20000,10 v, 2,10

Organics Analysis Data Sheet (Page 1)

Sample Num	ber
A0-3	
AA 5813	~^^^
	00085

	,	00000
Laboratory Name: 17AS - KNOXVILL Lab Sample ID No: AA5893 Sample Matrix: Ash Data Release Authorized By: Luit hill	QC Report No: Contract No:	
Concentration Date Extracte Date Analyze Conc/Dil Fact	Volatile Compounds n: Low Medium (Circle One) d/Prepared: <u>NA</u> d: <u>NA</u> tor: <u>NA</u> pH ture: (Not Decanted)	NO VOLATILE ANALYSIS REQUESTED THIS SAMPLE NUMBER

CAS Number	7	ug/l or ug/Kg (Circle One)
74-87-3	Chloromethar.a	NA
74-83-9	Bromomsthana	1
75-01-4	Vinvt Chloride	
75-00-3	Chloroethane	
75-09-2	Methylene Chloride	
67-64-1	Acetone	
75-15-0	Carbon Disultide	
75-35-4	1, 1-Dichtoroethene	
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichlorosthans	
67-66-3	Chloroform	
107-06-2	1, 2-Dichloroethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichloroethane _	
56-23-5	Carbon Tetrachloridé	
108-05-4	'invi Acatata.	
75-27-4	Bromodichloromethane	

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	NA
10061-02-6	Trans-1, 3-Dichiorogropene	
79-01-6	Trichtorosthens	
124-48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10061-01-5	cus-1, 3-Dichtarearopene	
110-75-8	2-Chlocoethylvinviether	
75-25-2	Bromoform	
103-10-1	4-Methyl-2-Pentanone	
591-78-8	2-Hexanone	
127-18-4	Tetrachlorcethena	
79-34-5	1, 1, 2, 2-Tetrachtoroethane	
108-88-3	Toluane	
108-90-7	Chicrobenzana	_
100:41:4.	Ethylbenzane .	
100-42-5	Sivince	-
	Total Xvienes	

Date Reporting Qualifiers

For requiring needs in EPA, the following results quadriers are used. Addressed tiegs or learness; sectioning results are encouraged. However, the definition of each flag must be explicit.

- Value If the rusult is a value greater then or equal to the detection limit, report the value
 - U Indicates compound were analyzed for but has detected. Report the newwork detection limit for the semble with the U (e.g., 10U) based on necessary concentration / division action. (This is not inscessoring the instrument detection (innit). The liconates should read: U-Compound was analyzed for but not detected. The number is the minimum accentable detection limit for the sample.
 - Indicates an estimated value. This flag is used either when estimating a concentration for tentatinally identified compounds where a 1.1 response is assumed or when the mass specified data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g., 10.3) if finite of denotion is 10 µg/1 and a concentration of 3 µg/1 is calculated, report as 3.3.
- C. This Reg applies to passicide our americal where the identification has been confirmed by GC-MS. Single component pessicides ≥10 ng/ul in the hinal extract should be confirmed by GC/MS.
- This fing is used sicher the activitie is found in the blank as well as a sample. It indicates porposely probable blank concamination and werns the decaluser to take appropriate action.

Other specific flags and foathoies may be required to properly define the results. If used, they must be fully described and such describing attached to the data summary report.

Laboratory Name	ITAS-KNOXVIIL
Case No:	EGG 23550

Sample Number AD-3 AA5893

Organics Analysis Data Sheet (Page 2)

93000

Semivolatile Compounds

Concentration: (ow)	Medium (Circle One)	GPC Cleanup DYes BNo
Date Extracted 'Prepared	12-15-56	Separatory Funnel Extraction (EYes NA
Date Analyzed:		Continuous Liquid - Liquid Extraction GYES MA
Conc/Dil Factor: (0.030	14 Kg / 1.0 ml)0.7804	
Percent Moisture (Decante	od) <i>NA</i>	TYMAS PACTOR

CAS Number	,	ug/lorug/Ko
108-95-2	Phenol	330. u
111-44-4	bisi-2-Chloroethvi)Ether	1
95-57-8	2-Chiorophenoi	
541-73-1	1 3-Dichtoropenzene	
105-46-7	1 4-Dichloropenzene -	
100-51-6	Benzyl Alcohol	
95-50-1	1 2-Dichlaropenzene	
95-48-7	2-Methylphenol	
39538-32-9	bisi2-chloroisopropyl)Ether	
106-44-5	4-Methylpheno	
621-64-7	N-Nitrasa-Di-n-Prooviamine	
67-72-1	Hexachioroethane	
98-95-3	Nitropenzene	
78-59-1	Isopharone	
88-75-5	2-Nitrophenol	
105-67-9	2, 4-Dimethylphenol	4
65-85-0	Benzaic Acid	
111-91-1	bisi-2-ChloroethoxviMethane	ડેંગ્રેઝ. લ
120-83-2	2. 4-Dichtorophenot —	1
120-82-1	1, 2, 4-Trichloropenzene	
91-20-3	Naphthalene	
106-47-8	4-Chloroaniiine	
87-68 3	Hexachlorobutadiene	
59-50-7	4-Chioro-3-Methylonenoi	
91-57-6	2-Methylnaphthalane	
77-47-4	Hexachiorocyclopentadiene	
88-06-2	2, 4, 6-Trichiorophenal	4
95 95.4	2 4 5- richtorophenol	1600.4
91-58-7	2-Chloronaghthalene	330.4
88-74-4	2-Nitroaniline	1600 K
131-11-3	Oimethyl Phinalate	330.u
208-95-8	Acenzonthylene	330.u
99-09-2	3-Nitroaniline	1600 W

CAS Number		ug/loug/Ke
83-32-9	Acensoninene	330.4
51-28-5	2, 4-Dinitrophenol	1600.4
100-02-7	4-Nitrophenol	1600.4
132-64-9	Dibenzoluran	330. ц
121-14-2	2 4-Dinitrotoluene	
606-20-2	2 5-Dinitratoluene	
84-66-2	Diethviohthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorene	V
100-01-6	4-Nitroaniline	1600.4
534-52-1	4, 6-Dinitro-2-Methylonenol	1600.4
85-30-6	N-Nitrosodionanylamine (1)	330. u
101-55-3	4-Bromconenvi-phenvietner	l
118-74-1	Hexachiorobenzane	Ý
87-85-5	Pentachiorophenoi	1600.4
85-01-8	Phenanthrene"	- 330.u
120-12-7 -	Anthracene "*	330. u
34-74-7	Di-n-ButylphthalaTe	3600. 8
206-44-0	Fluoranthene	330.4
129-00-0	Pyrene	330.U
35-68-7	Butylograpionmalate	130. T
91-94-1	3 3-Dichlorobenziaine	660. u
56-55-3	Benzola)Anthracane	330. u
117-81-7	DISI2-Ethylnexyll@hthalate	
218-01-9	Chrysene	ĺ
117-84-0	Di-n-Octyl Phimalate	
205-99-2	Benzoxbi/Fluoranthene	
207-08-9	BentokiFluorantnene	
50-32-8	Benzo(a)Pyrana	
193-39-5	indenal, 2, 3-cd)Pyrene	
53-70-3	Dibensia hiAnthracene	
91-24-2	Benzoig h ijParviene	V

[1]-Cannot be separated from diphenylamine

Form

Λ	\sim	\sim	\sim	_
••		"	3	•
.,	.,			$\overline{}$

Pesticide/PCBs

Concentration Low Medium (Circle One)	GPC Cleanup 🗆 Yes 🔊 No
Date Extracted / Prepared 12-15-80	Separatory Funnel Extraction
Date Analyzed 12 - 20 - 860	Continuous Liquid - Liquid Extraction @Yes
Conc (Dil Factor)	
Percent Moisture (decanted)	

CAS Number		ug/lox ug/Kg (Circle Circle
319-84-6	Alpha-BHC	MA
319-85-7	Beta-BHC	
319-86-8	Delta-BHC	
58-89-9	Gamma-BHC (Lindane)	
75-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Meptachior Epoxide	
959.98.8	Endosulfan I	
60-57-1	Dieldrin	
72-55-9	4.4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosultan II	
72-54-8	4, 4'-000	
1031-07-8	Endosulfan Sulfate	
50-29-3	4. 4'-00T	
72-43-5	Methoxychlor	
53494-70-5	Endrin Ketone	
57-74-9	Chlordane	V
8001-35-2	Toxaghana .	a10.04
12574-11-2	Aroctor-1018	100.U
11104-23-2	Ardictor-1221	100.4
11141-16-5	Armefor-1232	100.4
53469-21-9	Ambetor-1242	100.4
12672-29-6	Aroctor-1248	100.4
11097-89-1	Arocior-1254	210.00
11096-82-5	Arocior-1250	210.04

V_i = Volume of extract injected (ul)

Vg . Volume of water extracted (mi)

W_s = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

v. ______ w. 30.14a v. 20000,10 v. 2,10

Organics	Analysis	Data	Shee
	(Page 1)	

Sample Number	
AD-5	001
AA641705	•

Lab Sample ID No: AA6417 DS	Case No: E G G Z3609
Sample Matrix: ASh Data Release Authorized By: W-7. (wls.)	Contract No:
Volatile C Concentration: Low Date Extracted/Prepared	ompounds Medium (Circle One) ANALYSIS
Date Extracted/Prepared Date Analyzed: Conc/Dil Facto Percent Moisture: (Not D	NA DH SAMPLE NUMBER

CAS Number	,	ug/l or ug/Kg (Circle One
74-87-3	Chloromethane	NA
74-83-9	Bromomethane	
75-01-4	Vinvi Chlorida	
75-00-3	Chloroethane	
75-09-2	Methylene Chloride	
67-64-1	Acetona	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichtoroethene	
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichtoroethene	
67-66-3	Chloroform	
107-06-2	1, 2-Dichteroethane	
78-93-3	2-8utanone	
71-55-6	1, 1, 1-Trichloroethane	
56-23-5	Carbon Tetrachiorida	
108-05-4	Vinyl Acetate	
75-27-4	Bromodichloromethane	1

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	NA
10061-02-6	Trans-1, 3-Dichloropropene	,
79-01-6	Trichloroethene	
124-48-1	Dibramochloromethane	
79-00-5	1, 1, 2-Trichlargethane	
71-43-2	Benzene	
10061-01-5	cis-1, 3-Dichtoropropene	
110-75-8	2-Chloroethylvinvlether	
75-25-2	Bromoform	
108-10-1	4-Methyl-2-Pentanorie	
591-78-6	2-Hexanone	
127-18-4	Tetrachloroethene	
79-34-5	1, 1, 2, 2-Tetrachioroethane	
108-88-3	Toluene	
108-90-7	Chlorobenzene	
100-41-4	Ethylbenzene	
100-42-5	Styrene	
	Total Xvienes	¥

Deta Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Administratings or footnotes excloring results are encouraged. Hewever, the definition of each flag must be explicit.

- Value If the result is a value greater than or equal to the detection limit, report the value
 - g indicates compound was analyzed for but not detected. Reddit the minimum detection limit for the sample with the U leg., 1001 behind on necessary concernsation/objection (The is not necessarity the instrument detection limit). The loopingte should read. U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
- Indicates an estimated value. This Item is used either when estimating a concentration for tentarinary identified compounds where a 1-1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the spectral detection time but greater than zero (e.g., 10,1). If time of detection is 10 µg/1 and a concentration of 3 µg/1 is calculated report as 3J.

Manufactured to the original and a construction of the constructio

- G This file applies to posticide parameters where the identification has been confirmed by GC-MS. Single component prosticides ≥10 ng/uli in the final estract should be confirmed by GC-MS.
- This flag is used when the analyse is found in the blank as well as a sample. It indicates possible includes blank contamination and weing the data year to leave approprione action.

Other specific flaes and footnoirs man by required to properly defined the results. If used they must be fully described and such describing affactive de the data summary report.

Form	,
rorru	4

Laboratory Name	ITAS-KNOXVIIL
Case No	EGG 23 609

Sample Number
AD-5

003

AA6417 05

Organics Analysis Data Sheet (Page 2)

Semivolatile Compounds

Concentration: Low Me	edium (Circle One)
Date Extracted / Prepared:	12-22-86
Date Analyzed:	
Conc/Dil Factor: 10.03025	Kg /1.0 ml) 0.7720
Percent Moisture (Decanted)	NA

GPC Cleanup DYes ENo

Separatory Funnel Extraction (EYes NA

Continuous Liquid - Liquid Extraction EYes NA

CAS Number		ug/loug/Kg (Circle One)
108-95-2	Phenoi	330.U
111-44-4	bisi-2-ChloroethyllEther	
95-57-8	2-Chlorophenol	
541-73-1	1 3-Dichlorobenzene	
106-46 7	1 4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1, 2-Diphlorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylpheno:	
521-54-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachioroethane	
98-95-3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-67-9	2. 4-Dimethylphenol	V
65-85-0	Benzoic Acid	1600.4
111-91-1	bisi-2-ChloroethoxyMethane	330.u
120-83-2	2, 4-Dichtorophenol	
120-82-1	1, 2, 4-Trichlornbenzene	
91-20-3	Naphthalene	
106-47-8	4-Chiorpaniline	
87-68-3	Hexachiorobutadiene	
\$9-50-7	4-Chloro-3-Mathylchenol	
91-57-6	2-Methylnaphthalane	
77-47-4	Heaschlorocyclopentagiene	
88-06-2	2. 4. 6-Trichlorophenoi	V
95-95-4	2, 4, 5-Trichlorophenol	二六 218.丁
91-58-7	2-Chloronaprithalane	330.4
88-74-4	2-Nitroaniline	1600.4
131-11-3	Dimethyl Phthalate	330.u
208-96-9	Acensonthylane	730.4
99-09-2	3-Nitroaniline	1650.4

CAS Number		ug/locug/Kg (Circle One)
83-32-9	Acensonthene	330 u
51.28.5	2, 4-Dingroonenoi	1600.4
100-02-7	4-Nitrophenol	16004
132-64-9	Dibenzoluran	330.u
121-14-2	2 4-Dinitrotoluene	
606-20-2	2, 6-Dinitrotoliume	
84-65-2	Diethylphthalate	
7005-72-3	4-Chlorochenyl-phenylether	
85-73-7	Fluorene	4
100-01-6	4-Nitroanitine	1600.4
534-52-1	4, 6-Dinitro-2-Methylphenol	1600.4
86-30-6	N-Nitrosogiphenviamine (1)	330.u
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachiorobenzene	¥
87-85-5	Pantachiorophenol	1600.u
35-01-8	Phenanthrene	330.4
120-13-7	Anthracane	330.4
34-74-2	Di-n-Sutviphthalate	64. J8
206-44-0	Fluoranthene	330.4
129-00-0	Pyrane	
85-68-7	Butyloenzylohtnelate	
91-94-1	3, 3'-Dichlorobenzidine	660 u
పే ∂∙55∙3	Senzo(a)Anthrutane	330.4
117-81-7	bis(2-EinvihexvilPhinalate	
218-01-9	Chrysana	
117-34-0	Di-n-Octyl Phthalate	
205-99-2	Benzati Fluoranthene	
207-03-3	Benzolk)Fluoranthene -	
40-23-8	Benzola Pyrana ·	
. 19-5	indenois, 2, 3-cd/Pyrene	
53.70.3	Dibenzia hlAmmiracane	
191-24-2	Benzaig h. iParylene	¥

⁽¹⁾⁻Cannot be separated from diphenylamine

Case No								
	EGG 2360	7					AD-5	
	Or	ganics Analysis (Page 3		heat		-		
		Pesticide/P	C8s					
Concentration (Low)	Medium (Ci	rcle One)	GPC CI	sanup	□Yes à	dNo		
Date Extracted Prepared	12.22.80	ı	Separat				n 🗇 Yes	
Date Analyzed			·	•				-
			Continu	ous L	iquia - L	iquio E	xtraction (_: Yes
Conc Dil Factor Y2	,726							
Percent Moisture (decant	ed)							
	CAS				or Leg / Kg)		
	Number				rela Orsa	ì		
	319-84-6	Alpha-BHC			<u> </u>			
•	319-85-7	Beta-BHC						
	319-86-8	Delta-BHC						
	58-89-9	Gamma-BHC (Linda	nei					
,	76-44-8	Heptachlor						
	309-∞-2	Aldrin						
	1024-57-3	Heptachlor Epoxide						
	959-98-8	Endosultan I						
	60-57-1	Dieldrin						
	72-55-9	4.4'-DOE						
	72-20-8	Endrin						
	33213-65-9	Endosulfan II						
	72-54-8	4.41-000						
	1031-07-8	Endosulfan Sulfate						
	50-29-3	4. 41-00T						
	72-47-5	Methoxychiar						
	53454-70-5	Endrin Ketone						
	57.74.9	Chlordane		<u> </u>				
	A001-35-2	Toxaphene		210.0	ou_			
	12874-11-2	Aroclor-1016		100.	u			
		Arocior-1221		100.	<u>u</u>			
		Arocier-1232		100.	<u>u</u>			
	53489-21-9	Arocior-1242		100.	<u>u</u>			
	12572-29-5	Arocior-1248		100.	<u>u</u>			
	11097-89-1	Arocia-1254		210.0	<u>u</u>			
	11096-62-5	Aroctor-1250		210.0	<u>u</u>			
	•	Volume of extract is Volume of water ex						

V₁ * Volume of total extract (ul)

001

Organics Analysis Data Sheet

AD-6

AA64

Sample Number	
AD-6	0.0
AA6415	00

(Page 1)

Laboratory Name: ITAS - KNOXVILLE	Case No:E G-G 23609
Lab Sample ID No: AA6415	QC Report No:
Sample Matrix: ASh	Contract No:
Data Release Authorized By: W-7. Wilson	Date Sample Received: 12-17-86

Volatile Compounds

Concentration: Low Medium (Circle One	/ 100
Date Extracted/Prepared:	AWALYSIS REQUESTED THIS
Date Analyzed: NA	SAMPLE NUMBER
Conc/Dil Factor: NA pH	/
Barrage Maisture: (No. Daysored) 24. 6	

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	NA
74-83-9	Bromomethane	
75-01-4	Vinvl Chloride	
75-00-3	Chiorpethane	
75-09-2	Methylene Chloride	
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichloroethene	
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichloroethene	
67-66-3	Chloroform	
107-06-2	1, 2-Dichloroethane	
73-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichloroethane	
56-23-5	Carbon Tetrachiorida	
108-05-4	Vinyl Acetate	
75-27-4	Bremodichloromethane	\ \times

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	NA
10051-02-6	Trans-1, 3-Dichlorogropene	
79-01-6	Trichloroethene	
124-48-1	Dibromochioromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10061-01-5	cis-1, 3-Dichioropropene	
110-75-8	2-Chloroethylvinvletner	
75-25-2	Bromoform	
108-10-1	4-Methyl-2-Pentanone	
591-78-6	2-Hexanone	
127-18-4	Tetrachioroethene	
79-34-5	1, 1, 2, 2-Tetrachioroethane	
108-88-3	Toluene	
108-90-7	Chlorobenzene	
100-41-4	Ethylbenzena	
100-42-5	Styrene	
	Total Xvienes	*

Data Resorting Qualifiers

Per repersing results to EPA, the following results qualifiers are used. Additional flags or four-ness explaining results are encouraged. However, the

- Value If the result is a value greaser than or equal to the detection limit report the value
- If indicates compound was analyzed for but not offected. Report the minimum detection limit far the sample with the U (e.g., 10U) based on necessary concentration/obstron action. (This is not indicatedly the instrument detection limit.). The floorings should read. U-Compound was analyzed for but not detected. The number is the minimum attainable desiction limit for the sample.
- J. Indicates ar estimated value. This flag is used either when estimating a concentration for ramatively identified compounds where a 1.1 response is assumed or when the mass soleculal data indicated the presence of a combound that meets the identification criteria but the result is less than the specified detection timit surgerale than zero is g. 10.1. If firml of detection is 10 µg/1 and a concentration of 3 µg/1 is calculated, report as 3J.
- The flag agoles to posticide parameters where the identification has been confirmed by GC MS. Surger component posticid(s ≥10 ng/ul in the final extract should be confirmed by GC/MS.
- 8 Thire flag is used when the analyse is found in the blank as will as a sample. It imposts persons products blank contamination and warms the data used to take appropriate action.

Other specific flags and featnesses may be required to urgue by define the results. If used, they must be fully described and such description attacted to the data summary report.

Form I

Laboratory Name	ITAS-KNOXVIIL
Case No:	EGG 23 604

Sample Number
AD-6,

AA 6415

005~

Organics Analysis Data Shout (Page 2)

Semivolatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted / Prepared 12-22-86

GPC Cleanup DYes ENo

.

Separatory Funnel Extraction @Yes NA

Continuous Liquid - Liquid Extraction EYes NA

Continuous Liquia - Liquia Extractio

1

Conc/Dil Factor: (0.03016 kg/1.0=1) 0.7538

Percent Moisture (Decanted) NA

CAS Number		ug/loug/Kg (Circle One)
108-95-2	Phenol	330. W
111-44-4	bist-2-Chloroethyl)Ether	
95-57-8	2-Chiorochenol	
541-73-1	1 3-Dichlorobenzene	
105-46-7	i 4-Dichlorobenzene	
100-51-6	Benzyl Alconol	
95-50-1	1 2-Dichtorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylphenoi	
621-64-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachioroethane	
98-95-3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenoi	
105-67-9	2, 4-Dimethylphenol	¥
65-85-0	Benzaic Acid	1600.4
111-91-1	bist-2-ChloroethoxylMethane	330.U
120-83-2	2, 4-Dichlorophenol	
120-82-1	1, 2, 4-Trichloropenzene	
91-20-3	Naphthalene	
106-47-8	4-Chiorosniline	
87-58-3	Hexachiorobutadiene	
59-50-7	4-Chioro-3-Metnylohenol	
91-57-6	2-Methylnaphthalene	
77-47-4	Hexachiorocyclopentadiene	
88-06-2	2. 4 6-Trichlorophenol	4
95-95-4	2, 4, 5-Trichlorophenoi	1606.4
91.53.7	2-Chio: phaphthaisne	330.U
88-74-4	2-Nitrosniline	1600.4
131-11-3	Dimethyl Phinalate	330.u
208-95-8	Acanaphthylene	330.4
99-09-2	3-Nitroamine	1600.4

CAS Number		(Circle One)
83-32-9	Acenaphinene	330.u
51.28.5	2, 4-Dingroonenol	1600.4
1100-02-7	14-Nitrophenol	1600 4
		330.4
132-84-9	Dibanzofuran	3,00.4
121-14-2	2 4-Dinitrotoluene	
606-20-2	2 6-Dinarotoluene	
84-65-2	Diethylphthalate	
7005-72-3	4-Chicrophenyl-phenylether	
85.73.7	Flucrane	<u> </u>
1∞-01-6	4-Nitroaniline	1600.4
534-52-1	4, G-Dinstrn-2-Matt.ylphenol	1600.4
86-30-6	N-Nitrozogiphenvlamine (1)	33c.u
1055-3	4-Bromophenyl-phenylether	
118-74-1	Mexachiorobanzene	¥
87-85-5	Pantachiorophenoi	1600 u
85-01-8	Phenanthrena	330.4
120-12-7	Amthracane	330.u
194-74-2	Di-n-Survionthalate	70.53
205-44-0	Fluoranthane	330. u
129-00-0	Pyrana	
25-58-7	Butylbenzylonthelate	ý
21-34-1	3, 3'-Dichlerobenzidine	660. U
56-55-3	Benzo(a)Anthracane	72. J
117-81-7	Dist2-EthythesyliPhthalate	330.4
213-01-9	Chrysana	60.I
117-34-0	Di-n-Octol Phthalate	330. U
205-09-2	Benzo(b)Fluoranthan€	75. 3
207-03-3	Banzo/k)/Fluoranthene	62.5
5C-32-8	BanzolalPyrona	82. J
193-39-5	incendit, 2, 3-cdiffyrane	78. 5
33.70-3	Dibenzia hlAmniscane	72 J
191-24-2	Benzag h iPerviene	79. J

(1)-Cannot be separated from diphenylamine

Laboratory Name	TAS	Knazy	ille
Case No	EGG	23609	
			Organics Analysis Data Sheet

Sample Number

01

Organics Analysis Data Sheet (Page 3)

Pesticide/PCBs

Concentration Low Medium (Circle One) Date Extracted / Prepared: 12-22-86	GPC Cleanup
Date Analyzed: 1-10-97	Continuous Liquid - Liquid Extraction ☐Yes
Conc (Dil Factor) 1/2, 1/20	· · · · · ·
Person Mountain (deserred)	

CAS Number		ug/lorug/Kg (Circle One
319-84-6	Aipha-8HC	I NA
319-85-7	Bata-BHC	
319-86-8	Delta-BHC	
58-89-9	Gamma-8HC (Lindane)	
75-44-8	Heptachlor	
309-00-2	Aidrin	
1024-57-3	Heptachlor Epoxide	`
959-98-8	Endosulfan I	
60-57-1	Dielarin	
72-55-9	4.4-00E	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4.4.000	
1031-07-8	Endequifan Sulfate	
50-29-3	4 4'-ODT	
72-43-5	Methoxychior	
53494-70-5	Endrin Ketone	
57-74-9	Chlordane	\
8001-35-2	Tozaphene	210.00
12574-11-2	Aroctor-1016	110.U
11104-28-2	Aracior-1221	110.U
11141-16-5	Arccior-1232	110.u
53489-21-9	Aroctor-1242	110.U
12572-29-6	Aractor-1248	110.4
11097-89-1	Aroctor-1254	<i>210</i> .0U
11035-82-5	Arocier-1260	210.6U

V_i = Volume of extract injected (ul)

Vg = Volume of water extracted (ml)

W_g = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

٧ <u>,</u>		or W _a	<u>30.16 g</u>	٧,	20000,0	V,	5,0
------------	--	-------------------	----------------	----	---------	----	-----

Organics Analysis Data Sheet (Page 1)

Sample Number BS-1	_
AA6445	

Lab Sample ID No: AA6445 Sample Matrix: Treated Soil Data Release Authorized By: W.T. Waland	Case No:EGG- Z3609 OC Report No: Contract No: Date Sample Received:12-19-86
Volatile Concentration: Low Not Date Extracted/Prepared:	Medium (Circle One) NA NA NA NA NA NA NA NA NA N

CAS Number		ug/1 or ug/X (Circle On
74-87-3	Chloromethane	NA NA
74-83-9	Bromomernane	
75-01-4	Vinvi Chiaride	
75.00.3	Chloroethane	
75-09-2	Methylene Chloride	
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichlorpernene	
75-34-3	1, 1-Dichlaroethana	
156-60-5	Trans-1, 2-Dichloroethene	
67-66-3	Chloroform	
107-06-2	1. 2-Dichloroethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichloroethane	
56.23.5	Carbon Terrachionida	
108-05-4	Vinvi Acerate	
75-27-4	Bromodichioromethana	

CAS Number		ug/larug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	NA NA
10061-02-6	Trans-1 3-Dichioropropens	
79-01-6	Trichloroethene	
124.48.1	Dibromochloromethane	
79.00.5	1. 1. 2-Trichloroethane	
71-43-2	Benzene	
10051-01-5	cis-1, 3-Dichioropropene	
110.75.8	2-Chloroeinvivinvieiner	
75-25-2	Bramaterm	
108-10-1	4-Methyl. 2-Pentanone	
591-78-6	2-Hexangne	
127-18-4	Tetrachioroeinene	-
79.34.5	1, 1, 2, 2-Tetrachioroethane	
108-89-3	Toluene	
108-90-7	Chioropentane	
100-41-4	Ethylbentene	
100-12-5	Styrans	
	Total Xvienes	

Dete Reserving Questiers

For recording mounts to EPA the following rosults awarders are used.
Additional flags of footnoise encourage rosults are another age of footnoise encourage rosults are encouraged Humaner, the definition of open flag must be expect.

- Value If the rosult is a value greater than or ecucion ine direction lime, report the value
- U Indicates compound was analyzed for his not detected. Person the minimum detection sent for the sample with the U (q. g. 1 CU) based an necessary concernation (discion action (This is not nocassarily the instrument detection (whis). The formers shown read U-Campound was analyzed for but his detected. The number is the minimum attainable detection limit for the sample.
- Indicated an astimated value. This flag is used either which astimating a concentration for tentatively contributed community where a fill response is assumed to when the mass specified data indicated the presence of a commound that means the ventrication criteria but the result it less than the specified direction timil but greater than zero (e.g., 10.). If timil of dissection is 10 up/1 and a concentration of 3 up/1 in calcula ad report as 3.)

THE RESERVE OF THE PROPERTY OF

- G. This flag addition to detected out dimentics where the identification has a been confidented by CC MS. Single component posticides ≥10 ng / vi in the final exerct shocke build only many by CC / AtS.
- 8 This flag is used when the analyse is found in the olders as with as a sample. It indicates persone, probable blane containment and warns the data warn is and appropriate action.

Other Other specific flags and foothores may be required to prove to early as the required to prove to early as the results. If used, they must be fully device that and such description area to the data summary report.

Form I

Laboratory Name	ITAS-KNOXVIIL			
Cara No	FGG 23 609			

Organics Analysis Data Sheet (Page 2)

Sample Number
B5-1.
DALL

00107

Semivolatile Compounds

Concentration: Low	Medium (Circle One)	GPC Cleanup DYes &No
Date Extracted / Prepared.		Separatory Funnel Extraction Gives NA
Date Analyzed:	1-10-87	Continuous Liquid - Liquid Extraction EYes NA
Conc/Dil Factor: 10.03	001 Kg /10 ml) 0.9165	
Percent Moisture (Decante	ed) <i>NA</i>	

CAS Number		(Circle One)
108-95-2	Phenoi	330. u
111-44-4	bist-2-Chloroethyl)Ether	
95-57-8	2-Chiarophenoi	
541-73-1	1 3-Dichloropenzane	
106-46-7	1 4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1 2-Dichtorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chloroisopropyl)Ether	
106-44 5	4-Methylpheno'	
521-54-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachioroethane	
98-95-3	Nitrobenzene	
78-59-1	Isophorone	1
88-75-5	2-Nitrophenr'	
105-67-9	2. 4-Dimethylphenol	¥
65-85-0	Banzoic Acid	1600 4
111-91-1	bisi-2-ChloroethoxylMethane	330.U
120-83-2	2, 4-Dichtorophenot	
120-82-1	1, 2, 4-Trichtorobenzene	
91-20-3	Naphthalene	
106-47-8	4-Chioroaniline	
87-63-3	Haxachteroputadiene	
59-50-7	4-Chioro-3-Mathylphenol	
31-57-8	2-Methylnaohthalene	
77-67-4	Hazachlorocyclopshtadiane	
23-05-2	2, 4, 5-Trichlorophenol	7
95-95-4	2, 4 5-Trichlorophenol	1500.4
91-58-7	2-Chloronaphinalene	330.4
33.74-4	2-Nationniling	1650.14
131-11-3	Dimethyl Phinalate	330.4
208-95-8	Acanaphinviene	330 A
39-C9-5	3- Mitroanilina	1600.4

CAS	•	ug/locug/Xg
Number		(Circle One
83-32-9	Actinanthene	330.u
51-28-5	2, 4-Dinitrophenol	1600.4
100-02-7	4-Nitrophenol	1600.4
132-84-9	Dibenzofuran	330. u
121-14-2	2 4-Dinitrotoluena	
£06-20-2	2. 5-Dinitrotoluene	
84-86-2	Diethylohthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorene	V
100-01-6	4-Nitroeniline	1600.4
534-52-1	4, 6-Dinaro-2-Mathylphenol	1400.4
86-30-6	N-Nitrosodiphenviamine (1)	330.u
101-55-3	4-Bromophenyi-phenylether	
118-74-1	Maxachiorobenzene	*
87-86-5	Pantachiorophenoi	1600.4
85-01-8	Phananthrane	330 K
120-12-7	Anthracana	330 M
54.74.2	Di-n-Butylphthalate	14078
206-14-0	Fluoranthere	
129-00-0	Pyrana	
93-68-7	Butylbenzylohinalate	V
31-94-1	3.3'-Dichlorobenzidine	560 U
55-55-3	geutotalyuke	330.U
117-31-7	bisi2-Ethylhexyll#hthalate	
218-01-9	Chrysone	
117-34-0	Di-n-Octyl Phinalate	
205-99-2	Banzelp # luckanthane	
207-05-9	Banzoik/Fluoranthene	
50-32-8	Banzα(z)≥γrane	
193-39-5	Indanol 1, 2, 3-cdiffyrane	
83-70-3	Oibanta hiAnthracane	
191-24-2	Banzoig h, iParylene	¥
	- CONTRACTOR OF THE PARTY OF TH	

⁽¹⁾⁻Cannot be separated from diphenylamine

Laboratory Name	TAS	Knoxville
Case No	EGG	£3409

Sample Number

BS-1

Organics Analysis Data Sheet (Page 3)

00109

Pesticide/PCBs

Concentration Low Medium (Circle One)	GPC Cleanup □Yes ♥No
Date Extracted / Prepared 12-22-86	Separatory Funnel Extraction Dives
Date Analyzed 1-10-87	Continuous Liquid - Liquid Extraction @Yes
Conc (Dil Factor) 1, Y20	
Percent Moisture (decanted)	

CAS Number		ug/lo(ug/Kg (Circle One)
319-84-6	Alona BHC	NA
319-85-7	Beta-3HC	
319-86-8	Delta-9∺C	
58-89-9	Gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachior Epoxide	
959-98-8	Endosultan I	
60-57-1	Dieldrin	
72-55-9	4 4 -00E	
72-20-8	Endrin	
33213-55-9	Engosulfan II	
72-54-8	4 4 -000	
1031-07-8	Endosulfan Sulfate	
50-29-3	4 4 -007	
72-43-5	Methoxychior	
53494-70-5	Endrin Ketone	
57.74-9	Chlordane	V
BO01-35-2	Toxaphene	170.04
12674-11-2	Arccior-1016	97.04
11104-28-2	Arocior-1221	97.6U
11141-16-5	Arocior-1232	97.04
53469-21-9	Aroc'or-1242	g7.0U
12672-29-6	Arcelor-1248	27.0U
11097-49-1	Aroctor-1754	170.04
11098-82-5	Arocior-1250	170.04

- V_i * Volume of extract injected (ul)
- V_s = Volume of water extracted (mi)
- W_g = Weight of sample extracted (g)
- V_e * Volume of total extract (ul)

٧,		or W _s	30.019	٧,	20000,0	V	5,1
----	--	-------------------	--------	----	---------	---	-----

Organics Analysis Data Sheet (Page 1)

		,, e,	ge 1)		
Laboratory N	ame: ITAS -KNOXL	ILLE	· Case No:	EGG 2354	8
Lah Samole	ID No:		OC Secon N	o:	
Cab Janipie	ix: NATER				
					C /
Data Release	Authorized By: W.7.	<u>unline</u>	Data Sample	Received:	76
		Volatile Co	mpounds		
	Concenti	ration: Low	Medium (Cir	cle One)) NO VOL	ATILE
	Date Ext	racted/Prepared:	NA	(AWALY	213
		alyzed:		i wednes	TED THIS
					e NUMBER
	Conc/Ei	Factor:	<u>NApH</u>	/	
	Percent	Moisture: (Not De	canted)		
048					/ / / .
CAS Number	•	ug/l or ug/Kg (Circle One)	CAS Number		ug/I or ug/Kg (Circle One)
74-87-3	Chloromethane	NA	73-87-5	1, 2-Dichioroprocane	NA
74-83-9	Bromomethane		10081-02-6	Trans-1, 3-Dichteregropana	1
75-01-4	Vinyl Chlorida		79-01-6	Trichloroethane	
75-∞-3	Chlorostnana		124-48-1	Dipromochloromethane	
75-09-2	Methylene Chloride		79-00-5	1, 1, 2-Trichloroethane	
67-64-1	Acatone		71-43-2	Benzene	
75-15-0	Carbon Disulfida		10061-01-5	cis-1, 3-0ichlorooroosne	
15.35-4	1, 1-Dichlorostnene		110-75-8	2-Chioroethylvinylether	
75-34-3	1, 1-Dichlorpathana		75-25-2	Bromatorm	
155-80-5	Trans-1, 2-Dichloroethene		1C3-10-1	4-Methyl-2-Pentanone	
67-66-3	Chloraform		591-78-8	2-Herumone	
107-06-2	1, 2-Dichlorcethane		127-18-4	Tetrachloroethene	
78-93-3	2-8utanone		79-34-5	1, 1, 2, 2-Tetrachioroethane	<u> </u>
71-55-6	1, 1, 1-Trichloroethane		103-88-3	Toluene	
56-23-5	Carbon Tetrachlorida		109-90-7	Chlorebantana	
108-05-4	Vinyl Acetata		100-41-4	Ethylbenzene Styrene	
75-27-4	Bromodichloromethane		11/2/2015 5 - 2	Total Xvienes	
		Date Reportin	L	Total Avienes	
U Indexts minum an nex the ine Compe minum J Indexts exams where indexts criteria	Addressed Rogs	the U (a.g., 100) tubecod. This is has reconstraine come phoused recipit. U- a. The multipler is the mobile is upon a street white make the mobile is upon a street with the mobile process the reservoir districtions and devection limit but only discounted by the reservoir brief out the reservoir brief out the reservoir brief out of the reservoir brief out the second brief out the reservoir brief out the second brief out the se	C Thus Rag a been control of the con		GC (MS). Shareh, as someth and all and another and and another and and another and another and another another and another an

Form 1

Laboratory Name	ITAS-KNOWILL
Case No	EGG 23 548

Sample Number
ENT-B

AA5828

Organics Analysis Data Sheet (Page 2)

Semivolatile Compounds

Concentration:	(wow)	Medium	(Circle One)
Date Extracted / P	repared:	12	-12-96
Date Analyzed:			18-87
Conc/Dil Factor:	<u>o.</u>	850L/2	.o ml
Percent Moisture	(Decani	ed)	NA

GPC Cleanup DYas ENO

Separatory Funnel Extraction (Extra

Continuous Liquid - Liquid Extraction EYes NA

CAS Humber	(ug/Ibrug/Kg (Circle One)
108-95-2	Phanol	10. u
1)1-44-4	bist-2-ChlorosthvilEther	
93-57-8	2-Chiarophenal	
541-73-1	1 3-Dichlorobenzane	
105-45-7	1 4-Dichiorobenzane	
100-51-6	Banzyl Alcohol	
95-50-1	1 2-Dichtorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	Dist2-chioroiscorcoytiEther	Î
106-44-5	4-Methylphenol	1
621-64-7	N-Nitroso-Di-n-Prooylamina	l l
67-72-1	Hexachioroethane	
98-95-3	Nitrobanzane	
78-59-1	Iscanorane	
88-75-5	2-Nitrophenol	
105-67-9	2, 4-Dimethylphenol	٧
55-85-0	Benzoic Acid	61.
111-91-1	bist-2-Chlorosthox Wathans	10.4
120-83-2	2, 4-Dichlorophenol	
120-82-1	1, 2, 4-Trichtoropenzene	
91-20-3	Naonthalana	
105-47-8	4-Chioreaniin	
37-33-3	Hexachiorobut_diana	
59-50-7	4-Chloro-3-Methylohanol	
91-57-3	2-Mathyin sonthalana	
77-47-4	Maxachicapoyclocantadiana	!
84-05-2	2. 4. 3-Trichtoropand	V
35-95-4	2, 4, 5-Trichlorophanol	50.u
31-53-7	2-Chioronaphinalana	10.4
29-74-4	2-Margandina	50.u
131-11-3	Dimathy Phinalara	271
203-95-8	Acanaoninviena	10.u
99-09-2	3-Mitroaniling	50.14

CAS Number		ug/I rug/Kg
83-32-9	Aconsonthene	10.4
51-28-5	2. 4-Dinitreonshol	50.4
100-02-7	4-Nitrophenol	50.u
132-54-9	Dibanzaluran	10.u
121-14-2	2 4-Dinitrotoluene	
BC5-20-2	2. 6-Dinitrotoluene	CONTRACTOR OF CASE
34.68.2	Disthylonthalate	
7005-72-3	4-Chioropnenyl-phenylether	
36-73-7	fluctane	V
100-01-8	4-Nitroaniline	50.4
534-52-1	4, 5-Dinitro-2-Methylphenol	50.u
36-30-6	N-Mittosodiphenvlamine (1)	4.87
101-55-3	4-Scomophenvi-phenylether	10.4
118-74-1	Hexachioropenzane	10.4
37-86-5	Pantschlorophenol	50.U
35-01-8	Phenanthrens .	10.4
120-12-7	Anthracane	10.4
24-74-2	Oi-n-Butylonthalate	10.4
203-44-0	Fluorantnane	10.u
178-00-0	eus.	
S5-83-7	Dutytoonzylphthalate	Ψ.
31-34-1	3, 3'-Dichloropenzidine '	20.u
\$34.5 3.3	Nanco(a)Anthrocana	10.4
117-81-7	Sid2-EthylnexvilPminalete	
Q13-01-3	Chrysana	
117.34-0	Di-n-Octal Principle	
\$2C3-33-2	lenser Sikilvaramnana	
207-03-9	Jenschiëluccenthene	
20-32-0	Janone Priest	
103-39-3	indend1, 2, 3-cd/Pyrane	
33-70-3	Dibands hiarmacans	
191-24-2	Banxolg, h. iMarylana	¥

(1)-Connot be apparated from dicharylamina

٠	

Laboratory Name	TAS	Knoxville
Casa No	EGG	23548

Sample Number

ENT B

Organics Analysis Data Sheet (Page 3)

Pesticide/PCBs

Concentration (Low) Medium (Circle One) Date Extracted / Prapared: 12-12-86	GPC Cleanup (Yes No Separatury Funnel Extraction (Yes
Date Analyzed 12-19-80	Continuous Liquid - Liquid Extraction DYes
Conc (Dil Factor)	

CAS Number		ug/ler ug/Kg (Circle One
319-84-6	Alona-8HC	NA
319-85-7	Beta-BHC	
319-85-8	Delta-BHC	
58.99.9	Gamma-BHC (Lindana)	
75-44-8	Heptschior	
309-00-2	Aldrin	
1024-57-3	Mediachlor Epoxide	
959-98-8	Endosuitan I	
60-57-1	Dieldrin	
72-55-9	4, 4'-DDE	
72-20-8	Endrin	
33213-65-9	Endocuttan II	
72-54-8	4, 41-000	
1031-07-8	Endosulfan Stilfate	
50-29-3	4 4'-00T	
72-43-5	Methaxychlor	
53494.70.5	Endrin Katone	
57-74-9	Chlordane	Ų.
ØCC1-35-2	Toxechene	1.04
12674-11-2	Arcctor-1015	0.Su
11104-29-2	Arestor-1221	०.इ५
11141-16-5	Arocior-1232	0.54
53489-21-9	Arocior-1242	0.54
12872-29-8	Aroslor-1248	0.54
11097-39-1	Aroctor-1254	1.04
11025-82-5	Aroeter-1230	1.04

- V. . Volume of extract impacted (uf)
- V_g = Volume of water estracted (ml)
- W_a = Weight of semple extracted (g)
- V_t * Volume of total extract (ul)

V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V V	<u>v. 10000 n 2 1 0</u>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------

.7 85

A GOLD TO LEGISLAND	
ENT - 1	n

Organics Analysis Data Sheet (Page 1)

Country Home,	KNOXVILLE	Case No: EGG	23548
Lab Sample IO No: AAS Sample Matrix: WA	rek	QC Report No:	
Data Release Authorized By:	Volatile Co	Data Sample Received: empounds	12-9-86
((Concentration: Low Date Extracted/Prepared: Date Analyzed: Conc/Dil Factor: Percent Moisture: (Not De	NA pH	NO VOLATILE ANALYSIS REQUESTED THIS SAMPLE NUMBER
CAS	ug/lorug/Kg	CAS	ug∕l or ug/Kg

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	NA
74-83-9	Bromomethane	
75-01-4	Vinvi Chlorida	
75-00-3	Chloroethane	
75-09-2	Methylene Chloride	
87-84-1	Acatona	
75-15-0	Carbon Disulfida	
75-35-4	1, 1-Dichlorostnene	
75-34-3	1, 1-Dichtorosthans	
158-60-5	Trans-1, 2-Dichloroethane	
67-66-3	Chloroform	
107-06-2	1, 2-Dichlorosthane	
78-93-3	2-Butznane	
71-55-6	1, 1, 1-Trichicroathane	
56-23-5	Carbon Tetrachionide	
103-05-4	Vinyl Acetate	
75-27-4	Bromodichteromethane	*

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	NA
10051-02-8	Trans-1, 3-Gichlorecropana	The second secon
79-01-6	Trichloroethene	
124-43-1	Dibromocnioromethane	
79-00-5	1, 1, 2-Trichlorosthans	
71-43-2	Banzena	
10081-01-5	cis-1, 3-0ichloropropene	
110-75-8	2-Chlorosthylvinylether	
75-25-2	Bromotorm	
108-10-1	4-Methyl-2-Pentanona	
591-78-6	2-Hezanone	
127-18-4	Tetrachlorosthena	
79-34-5	1, 1, 2, 2-Tetrachloroethane	
109-88-3	Toluene	
103-90-7	Chlorobenzene	
100-41-4	Ethylbenzana	
100-42-5	Styrana	
	Total Xylenes	₩

Date Recording Qualifiers

For researcing respects to SPA, the homoving mounts quantitized are visible. Additional Stage of focusions engineering require an encountepast, thousand, thousand, and encountepast, thousand, the mount be expected.

Volum	If this result is a value greater then or could so the detection limit
	report the value

- U Indicates compound was analyzed for but not concerns. Prepart the merenium detection terms for the service with the U.S. (100) beads on necessary concerns awar system action. (The is not interested by the instrument sensition time.) The logicities philode rest: U-Compound was analyzed for but not sensition. The humber is the member in structure interested the members of structure interested the members of the sensition.
- Indicates an estimated vidue. This flag is used eight when estimating a concentration for hostativities depended compounds where a 1-1 resource is assumed as whom the mode spectral duta indicated the presence of a compound that meets are constructed in criterie but the result is less truth the specified direction that but greater than yet is a 10.0 it have of detection 19 Ug/1 and a concentration of 3 ug/1 is contributed, report as 3.3.
- G This fluid appropriat a personal parameters where the interest continues has been confirmed by GC-MS. Single component personal 210 mg/ul in this final extract phases a continued by GC-MS.
- 8 This flag is used when the analyse is found in the blank as well its a semple. It insisted parakars produces claims containmented and loams into once user to take appropriate action.

The control of the state of the

5	~	_	,
•	07	TO.	- 3

Laboratory Name	ITAS-KNOVILL
Casa No:	EGG 23 548

Sample Number ENT-1

AA5829

041

Organics Analysis Data Sheet (Page 2)

Semivolatile Compounds

Concentration: Low	Madium (Circle One	e) GPC Cleanup □Yes ᢒNo
Date Extracted / Prepared:	12-12-86	Separatory Funnel Extraction (Gres
Date Analyzad:	1-18-87	Continuous Liquid - Liquid Extraction

Continuous Liquid - Liquid Extraction EYesNA

Percent Moisture (Decanted) _____

CAS Number	(ug/larug/Kg (Circle One
108-95-2	Phenoi	10.U
111-44-4	bist-2-Chloroethyl)Ether	
95-57-8	2-Chierophenol	
541-73-1	1. 3-Dichioropanzane	
105-46-7	1. 4-Dichloropanzane	
100-51-6	Benzyl Alcohol	į.
95-50-1	1 2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chioroisopropyl)Ether	l
106-44-5	4-Methylphenol	
621-64-7	N-Nitroso-Di-n-Prooylamine	ı
67-72-1	Hexachioroginane	
98-95-3	Nitrobenzane	
78-59-1	Isophorone	
88-75-5	2-Nitropnenoi	
105-87-9	2, 4-Dimethylphenol	*
65-85-0	Benzoic Asid	45.
111-91-1	bist-2-ChloroethoxyMethane	10.U
120-83-2	2, 4-Dichtorophanol	
120-82-1	1, 2, 4-Trichiorobanzana	
91-20-3	Napritralena	
106-47-3	4-Chloroaniline	
87-68-3	Haxachlorobutsdeine	
59-50-7	4-Chloro-3-Mathylphanol	
31-57-6	2-Methylnsonthakene	
77-47-4	Hesechiorocyclopentacione	
33-05-2	2, 4, 6-Trichiorophanol	V
95.95-4	2, 4, 5-Trighterconenol	50.u
31.58.7	2-Chloronagnthgians	10.4
83-74-4	2-Nitrosniline	50.u
131-11-3	Dimothyl Phthalate	4.1 J
203-35-8	Acensonthylone	10.4
99-09-2	3-Mitroaniline	50.U

CAS Number	•	ug/ler ug/Kg (Circle One
83-32-9	Aconsontnene	10.4
51-28-5	2. 4-Dingroonenol	50.4
100-02-7	4-Narophenol	50.4
132-84-9	Dibanzofuran	10.4
121-14-2	2 4-Dinitrotoluene	
305-20-2	2, 5-Dinitrotoluene	
84.88.2	Disthylohthalate	
7005-72-3	4-Chiorponenvi-phenylether	
85-73-7	Fluorene	
100-01-6	4-Nitroaniline	50.4
534-52-1	4, 6-Dingro-2-Mathylphanol	50.u
86-30-6	N-Nitroscolonenviamine (1)	3.87
101-53-3	4-Bromophanyl-phanylather	10.u
118-74-1	Mexachioropenzone	10.4
37-85-5	Pantachiorophenol	<i>50</i> .4
85-01-8	Phenanthrane	10.4
120-12-7	Anthracane	10.4
34-74-2	Di-n-Butylphthalate	10.U
206-44-0	Fluoranthene	10.4
129-00-0	Pyrana	
35-68-7	Butyloanzylonthalate	4
91-94-1	3, 3'-Dichlorobanzidine	20.u
55.55.3	Benzula)Anthracene	10.4
117-81-7	Dis(2-Ethylhoxyl)Phthalate	
218-01-9	Chrysana	
117 84-0	Di-n-Octyl Phinalate	
205-99-2	dantabiliumantnene	
207-08-9	3anzokWiuoranthene	
30-32-3	(Benada Warene	
193-39-5	Incand 1, 2, 3-cd/Pyrana	
\$3.70.3	Oibanata helimbracana	
191-24-2	Banzoig, h. iPanziana	¥

Laboratory Na	me	TA	s knoxyille	
Case No		EGG	23548	

Sample Number ENT-1

Organics Analysis Data Sheet (Page 3)

Pesticide/PCBs

Concentration Low Midium (Circle One)	GPC Cleanup CYes MNo
Data Extracted / Prepared	Separatory Funnel Extraction MYes
Data Analyzod 1249-86	Continuous Liquid - Liquid Extraction (1) Yes
Conce (Dil Factor)	
Passant Maierien Ideanatadh	

CAS Number		ug/for ug/K
319-84-6	Alpha-BHC	INA
319-85-7	Sets-BHC	
319-86-8	Delta-BHC	
53.39.9	Gamma-BHC (Lindans)	
78-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Meptachlor Epoxide	
959-98-8	Endosulfan I	
30-57-1	Dieldrin	
72-55-9	4.4-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4, 4 -000	
1031-07-8	Endosulfan Sulfate	
50-29-3	4 4'-00T	
72-43-5	Methasychlor	
53494-70-5	Endrin Ketone	
57.74.9	Chlordane	\.\ <u>\</u>
3001-35-2	Toxestane	1.04
12874-11-2	Arcotor-1015	0.54
11104-28-2	Aroctor-1221	0.5u
11141-15-5	Arcetor-1232	0.54
53459-21-9	Araelor-1242	0.54
12372-29-3	Arocsor-1248	0.54
Marie Company of the	Articler 1254	1.04
11098-82-5	Arester-1230	1.04

V. . Volume of extract injected (ui)

Vg. * Volume of water extracted (ml)

W_a = Weight of sample extracted (g)

V₁ * Volume of total extract (ul)

v	960mp	or W _e		v, 10000	س2	۷, ـــَــَ	7,ul
---	-------	-------------------	--	----------	----	------------	------

Sattible (40Wost	1
CNT-2	1

Organics Analysis Data Sheet (Page 1)

075

Laboratory Name: 17AS - Lab Sample ID No: 14 A S Sample Matrix: 6 A T Data Release Authorized By:	5830 ***	Case No: QC Report No: Contract No: Date Sample Rec		
	Volatile Co	mpounds		
	Concentration: Low I Date Extracted/Prepared: Date Analyzed:A Conc/Dil Factor:A Percent Moisture: (Not De	NA VA_pH	 }	NO VOLATILE ANALYSIS REQUESTED THIS SAMPLE NUMBER

CAS Number		ug/i or ug/Kg (Circle One)
74-87-3	Chloremethane	NA
74-83-9	Bromomethane	
75-01-4	Vinyi Chicride	
75-60-3	Chlorosthane	
75-09-2	Methylene Chloride	
67-64-1	Acatone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichlorosthene	
75-34-3	1, 1-Dichtorpethane	
156-60-5	Trans-1, 2-Dichloroethane	
67-66-3	Chiaroform	
107-08-2	1, 2-Dichtoroethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichiorcethane	
56-23-5	Carbon Tetrachloride	
108-05-4	Vinyi Acstata	
75-27-4	Bromodichlorometharia	_ ~

CAS Number		ug/lorug/Kg (Circle One)
78-87-5	1, 2-Dichlorgoropane	NA
10051-02-6	Trans-1, 3-Oichterepropens	
79-01-6	Trichlorosthana	
124-48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Senzane	
10061-01-5	cis-1, 3-0ichtaroaroogna	
110-75-A	2-Chlorosthylvinylether	
75-25-2	Bromotorm	
108-10-1	4-Misshvt-2-Pentanons	
591-78-6	2-Hexanone	
127-18-4	Tetrachloroethene	
79-34-5	1, 2, 2-Tetrachtorceinane	
108-88-3	Toluene	
103-90-7	Chloropenzene	
100-41~	Einvibenzane	
100-42-5	Styrana	
	Total Xvienes	₩

Dose Asserting Outsidiers

ning results to EPA, the lationary reducts questions and used. erang reducts are emissarchysis. Helicitus, Stra

Value .	If the result is a vehica greation than or equal to the detaction limit
	report the range

- minimum detection time for the sample with the U to g., 1001 beside on necessary concentration/owners action. (This is not necessarily ne instrument detection limit.) The lastiness should rest. Uout a redinant cut? Decretob ten sud sel polytons seen brush minimum attainable descripts limit for the samele
- indicates an ecomated value. This stag is used either when estimating a concentrat on lar invastively learning compounds state terrorical brain, will memo be bemaker an echooses 1.1 a produc indicated the presence of a compound that mixture the momenticans criteria but the result is less than the specified distortion limit be present than zero is g. 10.1 H limit of dissection is 10 µg/1 and concentration of 3 µg/1 is calculated, report cs 3J
- C Thus fless appeared to contribute that according to whater the interestication files Been confirmed by GC-MS Single compensor passicites ≥10 ng/ut in the brist entract around an earthristed by GC/MS.
- It inscreen possible problems bleve contamination and marry, the data water to little appropriate action

Ornor specific flogs and loss notes may be consumed to presently delives THE PROMES I WORK THEY MUST BE THEY GESCHARD AND SUCH GESCHARDS

94		
wi .		
•		
Form (1

Laboratory	Name	ITAS-KNOOVIILE
Case No: _		EGG 23549 .

Organics Analysis Data Sheet (Page 2)

Semple 15 , mber
ENT-2
H. 5830

071

Semivolatile Compounds

Concentration: Low	Medium (Circle One)	GPC Cleanup EYes Bisc
Date Extracted / Prepared	17-12-84	Separatory Funnel Ent. Proces
Date Analyzed:	1-18-87	Continuous Liquid - Liqui Satraction Eresua
Conc/Dil Factor:	790 L/2.0 ml	
Bassame Maiorine (Bassa		

CAS Number	(un/lur ug/Kg (Circle One)
108-95-2	[Phenol	10.4
111-44-4	bist-2-ChloroethvilEther	
95-57-8	2-Chlorophenol	
541-73-1	1 3-Dichlorobanzana	
106-46-7	1 4-Dichlorobanzana	
100-51-6	Benzyl Alcohol	
95-30-1	1, 2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methyloheno:	
621-84-7	N-Nitroso-Di-n-Propylaminė	l l
67-72-1	Mexachioroethane	
98-95-3	Nitrooanzene	ĺ
78-59-1	Isophorone	
88-75-5	2-Nitrophene	
105-57-9	2, 4-Dimethylphenol	₩ 1
55-85-0	Benzoic Acid	83.
111-91-1	bist-2-ChlorcathoxyMathana	10.4
120-83-2	2. 4-Dichlorophenol	
120-82-1	1, 2, 4-Trichloropenzene	
91-20-3	Naphthalena	
106-47-8	4-Chloroaniline	ĺ
37-63-3	Hexachiorobutadiana	
59-50-7	4-Chloro-3-Mathylphanol	
91-57-6	2-Metnyinsphthsione	
77-47-4	Hexachiorsevsteraantediana	
33-05-2	2, 4, 6-Trichlorconanol	Ÿ
35-95-4	2, 4, 5-Trichlorophanol	50.u
91-58-7	2-Chloronaonthalana	10.4
88-74-A	2-Nitroamlina	50.u
131-11-3	Dimathyl Phthalate	3.6 万
203-95-8	Acanaphinviena	10.4
9 9-09-2	3-Narcanitaria	50.u

CAS Number	•	ug/ldrug/Ki
83-32-9	Acensonthene	10.4
51-28-5	2. 4-Dingrophenol	50.u
100-02-7	4-Mitrophanel	50.u
132-64-9	Dibanzofuran	10.4
121-14-2	2, 4-Dinitrotoluene	
805-20-2	2, 5-Dingrototuana	
84-68-2	Diethylphtnalate	
7005-72-3	4-Chiorophanyl phanylether	
35-73-7	Fluorana	V
100-01-8	4-Nitroaniline	50.4
534-52-1	4. 6-Dinitro-2-Methylonenol	50.u
88-30-6	N-Nitrosodichenylamine (1)	4.97
101-55-3	4-Bromcohenyl-phenylether	10.4
118-74-1	Hexachiorobanzana	10.u
37-85-5	Pantachiorophenol	50.4
85-01-8	Phananthrene	10.4
120-12-7	Anthracene	10.0
24.74.2	Di-n-Butylphthalate	10.4
205-43-0	Fluoranthana	10.u
129-00-0	Pyrone	The same of the sa
35-88-7	Butyloantylonthalata	,V
\$1-94-1	3. 3'-Dichlorobanzidina	20.u
56-53-3	Banada Anthracana	10.U
117-31-7	Erst2-Ethylinexvi)/htmalate	
214-01-9	Chresne	
117-84-0	Di-n-Octyl Protection	
203-99-2	Benzalakluarantaane	772
207-03-0	Banzak Hlucranthana	
30-32-3	enery VERIZABE	
193-30-5	Indandii. 2. 3-miliyaana	
33.70.3	Orbanata, hlaumbradana	-
191-24-2	Sanzala, h. iPerviane	Y,

(1)-Cannot be exparated from diphersylaming

	TAC VARY	:ila		
Laboratory Name		<u> </u>		Sample Number
Case NoEG	W 43548			ENT -2
	· Or	ganics Analysis Da (Page 3)	ta Sheat	La constant de la con
		Pesticide/PC8	3	
Concentration (Low) Madium (Cit	rria Ona) GP	C Classia Dyes MA	•
	•		C Cleanup Yes Ho	
Date Extracted / Prepare		50	paratory Funnal Extrac	tion X Yes
Date Analyzed	12-19-80	Co	ntinuous Liquid - Liqui	id Extraction 🗆 Yes
Conc (Dil Factor)	1			
Percent Moisture (decar	n:ad)			
				•
	CAS Number		(Circle One)	
	319-84-6	Alpha-BHC	NA	
	319-85-7	Beta-BHC		
_	319-86-8	Delta-8HC		
, ,	58-89-9	Gamma-BHC (Lindane)		
	76-44-8	Heptachlor		
	309-00-2	Aldrin		
	1024-57-3	Heptachlor Epoxide		
	959-98-8	Endosulfan I		
	80-57-1	Dieldrin		
	72-55-9	4, 4 -DDE		
	72-20-8	Endrin		
	33213-65-9	Endosuifan II		
	72-54-8	4, 41-000		
	1031-07-8	Endosulfan Sulfate		
	50-29-3	4 4'-00T		
	72-43-5	Methoxychior		
	53494-70-5	Endrin Ketone		
	57-74-9	Chlordane		
	8001-35-2	Toxaphene	1.04	
		Araciar-1018	0.54	
		Arector-1221	0.54	
	11141-16-5		0.54	
	#7400 71 B	Secolor 1947	- 51.	

V_i = Volume of extract injusted (ul)

0.54

1.04

12572-29-5 Arector-1748

11037-89-1 | Arcelor-1254

11096-82-5 Aroclor-1260

V_e = Volume of water satisfied (ml)

W_g = Weight of sample extracted (g)

V_t * Volume of total extract (ul)

٧,	860ml	or W _s		v,	الروه 1000	V	, 2 , 10
----	-------	-------------------	--	----	------------	---	---------------------

7 85

	Sample Number
	ENT 5
Analysis Data Sheet	<u> </u>

Organics Analysis Data Sheet (Page 1)

0032

Laboratory Name: 17AS - Lab Sample ID No: AA Sample Matrix: 67 Data Release Authorized By:	476-R	Case No:E QC Report No: Contract No: Date Sample Receive		
	Volatile Com	pounds		
	Concentration: Low M Date Extracted/Prepared: Date Analyzed:	NA NA A pH	_}	NO VOLATILE ANALYSIS REQUESTED THIS SAMPLE NUMBER

CAS Number	,	ug/l or ug/Ke (Circle One
74-87-3	Chloromethane	NA
74-83-9	Bromomethana	
75-01-4	Vinvi Chlaride	
75-00-3	Chlorcettiane	
75-09-2	Methylene Chloride	
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichloroetnene	
75-34-3	1, 1-0ichloroethana	
156-60-5	Trans-1, 2-Dichlorgethene	
67-66-3	Chloroform	
107-06-2	1, 2-Dichlorosthane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichtorcethane	
56-23-5	Carbon Tetrachioride	Ī
108-05-4	Vinyt Acatata	
75-27-4	Bromodichloromethana	4

CAS Number		ug/Lar ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	NA
10061-02-6	Trans-1, 3-Dichioropropene	
79-01-5	Trichtorcathene	
124-48-1	Dibromochlaromethane	
79-00-5	1, 1, 2-Trichloroathane	
71-43-2	Benzene	
10051-01-5	cis-1, 3-0ichtoropropene	
110-75-8	2-Chloroethylvinvlether	
75-25-2	Bromatorm	
108-10-1	4-Methyl-2-Pentanone	
591-78-6	2-Hexanone	
127-18-4	Tetrachloroethene	
79-34-5	1, 1, 2, 2-Tetrachioroethane	
108-88-3	Toluene	
103-90-7	Chlorobenzana	
100-41-4	Einvibenzene	
100-42-5	Styrene	
	Total Xvienes	₹/

Data Resorting Qualifyers

For regarding results to EPA, the following recurs assistant are used. Additional flate or Soldmore replaining results are encouraged. However, the definition of each flag must be expect.

- Value If the result is a value greater than or equal to the distaction limit, report the value.
 - U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 100) before on necessary concentration/Hultim action. (The is not his essential line instrument detection time.). The (concert should raid. U-Compound was analyzed for but not detected. The number is the minimum attentional detection limit for the sample.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a LT response is essumed or when the mess spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g., 100). If limit of detection is 10 µg/1 and a concentration of 3 µg/1 is calculated report as 3.0.

ないないないというというという。 またみ まれたいかん name manage and and a fact and a fa

C. This flag applies to persisting our amounts where the identification size been confirmed by GC-MS. Single component overtices ≥10 ng/ull in the line extract should be confirmed by GC/MS.

١

8 This flag is used when the analyse is found in the blank as well as a sample. It indicates possible-probable blank contamination and werns the dole user to lake appropriate action.

Other specific flags and footnotes may be required to properly fleting the results. If used, they must be fully described and such description prached to the data such may never report.

Forra I

Laboratory Name	ITAS-KNOXVIIL
Case No:	EGG 23610

Sample Number ENTS. 01

0033

Organics Analysis Data Sheet (Page 2)

Semivolatile Compounds

Concentration:	كسوي	Medium	(Circle Or	10)
Date Extracted /	Prepared		15-87	

GPC Cleanup DYes ENO
Separatory Funnel Extraction DYes

Date Analyzed: 1-17--87

Conc/Dil Factor: 1-0 4 / 2-0 m!

Continuous Liquid - Liquid Extraction ⊞Yes MA

Conc/Dil Factor: 1.0 4 / 2.0 ml
Percent Moisture (Decanted) NA

108-95-2	CAS Number		(Circle One)
95-57-8 2-Chlorophenol	108-95-2	Phenol	10.4
108-46-7	111-44-4	bist-2-Chloroathvl)Ether	ĺ
108-46-7	95-57-8	2-Chierophanel	
100-51-6 Benzyl Aiconol 95-50-1 1 2-Dichlorobenzene 95-48-7 2-Methylphenol 39638-32-9 bisi2-chloroiscorcovilEther 106-44-5 4-Methylphenol 621-64-7 N-Nitroso-Di-h-Propylamine 67-72-1 Hexachloroethane 98-95-3 Nitrobenzene 78-59-1 Isophorone 88-75-5 2-Nitrobenzene 105-67-9 2, 4-Dimethylphenol V	541.73-1	1 3-Dichlorobenzane	
95-50-1 1 2-Dichlorobenzene 95-48-7 2-Methylphenol 39638-32-9 bis(2-chloroiscorcov) Ether 106-44-5 4-Methylphenol 621-64-7 N-Nitroso-Di-n-Propylamine 67-72-1 Hexachloroethane 98-95-3 Nitrobenzene 78-59-1 Isophorone 88-75-5 2-Nitrophenol 105-67-9 2-4-Dimethylphenol V	108-46-7	1 4-Dichlorcoanzane	
35-48-7 2-Methylphenol 39538-32-9 bis(2-chiloroiscordov) Ether 106-44-5 4-Methylphenol 621-64-7 N-Nitroso-Di-n-Propylamine 67-72-1 Hezachiloroethane 98-95-3 Nitrophanol 98-95-3 Nitrophanol 105-67-9 2-Nitrophanol 105-67-9 2-4-Dimethylphenol 105-67-9 2-4-Dimethylphenol 105-67-9 2-4-Dimethylphenol 10-4-11-91-1 bis(-2-ChiloroethoxyMethane 10-4-120-83-2 2-4-Dichilorophanol 10-4-120-83-2 2-4-Dichilorophanol 10-4-13-14-3 Hezachilorophanol 106-47-8 4-Chiloro-3-Methylphenol 106-47-8 4-Chiloro-3-Methylphenol 106-47-8 4-Chiloro-3-Methylphenol 10-4-7-4-4 Hezachilorophanol 10-4-7-4-4-4 Hezachilorophanol 10-4-7-4-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4 10-4-7-4-4	100-51-6	Benzyl Alcohol	
39638-32-9 bis/2-chloroiscorpov/lEther 106-44-5 4-Mathylphenol 621-64-7 N-Nitroso-Di-n-Propylamine 67-72-1 Hezachloroethane 98-95-3 Nitroparane 78-59-1 Isophorone 88-75-5 2-Nitrophanol 105-67-9 2-4-Dimethylphanol 50-47-8 111-91-1 bis/-2-ChloroethoxyMathsne 10-4 120-83-2 2-4-Dichlorophanol 120-83-2 2-4-Dichlorophanol 120-83-1 1, 2, 4-Trichlorophanol 120-83-1 1, 2, 4-Trichlorophanol 106-47-8 4-Chloroshiline 87-58-3 Hexachlorophanol 106-47-8 4-Chloroshiline 37-58-3 Hexachlorophanol 191-57-6 2-Mathylphanolthallane 59-50-7 4-Chloroshiline 10-47-47-4 Hexachlorophanolthallane 10-58-7 2-Chloronanothallane 10-48-05-2 2, 4, 5-Trichlorophanol 50-47-83-74-4 2-Nitrophanolthallane 10-48-158-7 2-Chloronanothallane 10-48-158-7	95-50-1	1 2-0ichlorobenzene	
106-44-5	95-48-7	2-Methylphenol	
621-64-7 N-Nitroso-Di-n-Propylamine 67-72-1 Hezachloroethane 98-95-3 Nitrobenzene 78-59-1 Isophorone 88-75-5 2-Nitrobenzene 105-67-9 2. 4-Dimethylohenol 65-85-0 Benzoic Acid So. M. 111-91-1 bisi-2-ChloroethoxylMathane 10- M. 120-83-2 2. 4-Dichlorobenol 120-83-1 1. 2. 4-Trichlorobenzene 91-20-3 Naphthalene 106-47-8 4-ChloroethoxylMathane 106-47-8 4-ChloroethoxylMathane 59-50-7 4-Chloroethoxylmathane 88-05-2 2. 4. 5-Trichloroethoxylmathane 88-05-3 2-Chloroethoxylmathane 88-74-4 2-Nitroenistica ID-M 33-74-4 2-Nitroenistica ID-M 33-74-4 2-Nitroenistica ID-M 203-95-8 Azanachthylana IO-M 203-95-8	39638-32-9	bis(2-chloroisopropyl)Ether	
67-72-1 Hexachloroethane 98-95-3 Nitrobenzene 78-59-1 Isophorone 88-75-5 2-Nitrobenzeni 105-67-9 2. 4-Dimetrivionenoi 65-85-0 Benzoic Acid So. M. 111-91-1 bisi-2-ChioroethoxyMathane 10- M. 120-83-2 2. 4-Dichlorobenoi 120-82-1 1. 2. 4-Trichlorobenzene 91-20-3 Naphthalene 106-47-8 4-Chioroantiine 87-58-3 Hexachlorobutadiene 59-50-7 4-Chioro-3-Matinytohenoi 91-57-6 2-Mathylosonthalene 88-05-2 2. 4. 5-Trichlorobenoi 91-58-7 2-Chioronanthalene 88-74-4 Hexachlorocyclopantadiene 88-74-4 2-Nitroaniline 10- M. 33-74-4 2-Nitroaniline 10- M. 203-95-8 Azanaphthylane 10- M.	106-44-5	4-Methylphenol	
98-95-3	621-64-7	N-Nitroso-Di-n-Propylamine	
78.59-1 Isophorone 88.75-5 2-Nitrophanol 105-67-9 2, 4-Dimethylonenol 65-85-0 Benzoic Acid 50, M 111-91-1 bisi-2-ChioroethoxyliMethane 10, M 120-83-2 2, 4-Dichlorophenol 10, M 120-82-1 1, 2, 4-Trichlorophenol 106-47-8 91-20-3 Naphthalene 106-47-8 4-Chloro-3-Methylone 29-50-7 4-Chloro-3-Methylonenol 91-57-6 2-Methylosonthalene 77-47-4 Mexachlorocyclopantadiene 88-06-2 2, 4, 5-Trichlorophenol 59-50-4 2, 4, 5-Trichlorophenol 59-50-4 23-74-4 12-Nitrophilore 31-58-7 2-Chioropanthalene 10-M 33-74-4 12-Nitrophilore 50-M 131-11-3 Dimothyl Phthalate 10-M 203-95-8 Azanachthylana 10-M	67-72-1	Mexachioroethane	
88-75-5 2-Nitrophanol 105-67-9 2, 4-Dimethylphanol 65-85-0 Benzoic Acid 50-M 111-91-1 bisi-2-ChioroethoxyliMethane 10-M 120-83-2 2, 4-DichloroethoxyliMethane 10-M 120-82-1 1, 2, 4-Trichloroeanzane 91-20-3 Naphthalene 106-47-8 4-Chioroaniline 87-58-3 Hexachlorobutadiene 59-50-7 4-Chioro-3-Mathylphanol 91-57-6 2-Methylphanothalene 77-47-4 Hexachlorocyclopantadiene 88-06-2 2, 4, 5-Trichlorophanol 50-M 91-58-7 2-Chioropanthalene 10-M 33-74-4 12-Nitrophanoline 50-M 131-11-3 Dimethyl Phthalate 10-M 203-95-8 Azanachthylana 10-M 203-95-8 Azanachthylana 10-M	98-95-3	Nitrobenzane	i
105-67-9 2, 4-Dimethylonenal No.	78-59-1	Isophorone	
85-85-0 Benzoic Acid \$50. M 111-91-1 bisi-2-ChloroethoxyMethane 10. M 120-83-2 2,4-DichloroethoxyMethane 10. M 120-82-1 1,2,4-Trichloroeenzane 91-20-3 Naphthaliene 106-47-8 4-Chloroentine 87-58-3 Majachlorobutadiene 59-50-7 4-Chloro-3-Methylonehol 91-57-6 2-Methylosonthaliene 177-47-4 Majachlorocyclopantadiene 183-06-2 2,4,5-Trichlorophenol 570-Methylosonthaliene 183-74-4 2-Methylosonthaliene 170-Methylosonthaliene 170-Methylosontha	88-75-5	2-Nitrognanol	
111-91-1 bisi-2-ChloroethoxyMathane I D. u. 120-83-2 2, 4-Dichlorophenol 120-83-2 1, 2, 4-Dichlorophenol 120-83-2 1, 2, 4-Dichlorophenol 120-83-1 1, 2, 4-Trichloropenzene 120-83-20-3 Naphthalene 120-83-3 Mathalene 120-83-58-3 Maxachloroputadiene 120-83-58-5 2-Mathylophenol 120-83-57-6 2-Mathylophenol 120-83-57-6 2-Mathylophenol 120-83-58-7 2-Chloropanthalene 120-83-74-4 2-Nitrophenol 120-83-74-4 2-Nitroph	105-57-9	2, 4-Dimethylphenol	*
120-83-2 2, 4-Dichlorophenol	85-85-0	Benzoic Acid	50.4
120-82-1 1, 2, 4-Trichloropanzene	111-91-1	bist-2-Chloroethoxy84ethane	10.4
91-20-3 Naphthalene	120-83-2	2, 4-Dichlorophanol	
106-47-3 4-Chloropaniline 87-58-3 Mexachlorobutadiene 59-50-7 4-Chloro-3-Methylohenol 91-57-6 2-Methylnsohthalene 77-47-4 Hexachlorocyclopantadiene 88-05-2 2, 4, 5-Trichloropanol 95-95-4 2, 4, 5-Trichloropanol 91-58-7 2-Chloropanonthalene 88-74-4 2-Nitroaniline 10-4 131-11-3 Dimothyl Phthalate 10-4 203-95-8 Azanaphthylana 10-4	120-82-1	1, 2, 4-Trichloropenzane	
87-58-3 Maxachiorobutadiene 59-50-7 4-Chioro-3-Mathylobenol 91-57-6 2-Methylosohthalene 77-47-4 Hazachiorocyclopantadiene 88-05-2 2, 4, 6-Trichlorobenol 91-58-7 2-Chiorobanthalene 91-58-7 2-Chiorobanthalene 38-74-4 2-Nitrobanilene 131-11-3 Dimothyl Phthalate 203-95-8 Acanachthylana 10-4	91-20-3	Naphthaiene	
59-50-7 4-Chloro-3-Mathylohenol 91-57-6 2-Methylnsohthalene 77-47-4 Hazachlorocyclopantadiene 88-05-2 2, 4, 6-Trichloropanol 50-4 91-58-7 2-Chloronaphthalene 10-4 88-74-4 2-Hitroaniline 50-4 131-11-3 Dimothyl Phthalate 10-4 203-95-8 Acanaphthylana 10-4	106-47-3	4-Chiorpaniline	
91-57-6 2-Methylnaphthalene 77-47-4 Hazachlorocyclopantadiene 88-05-2 2, 4, 5-Trichlorophenol が 50-14 55-95-4 2, 4, 5-Trichlorophenol 50-14 58-7 2-Chlorophenol 50-14 38-74-4 2-hitrpaniline 50-14 131-11-3 Dimothyl Phthalate 10-14 203-95-8 Azanaphthylana 10-14	87-58-3	Hazachlorodutadiene	
77-47-4 Hexechlorocyclopentadiene 88-05-2 [2, 4, 5-Trichlorophenol S/5-95-4 [2, 4, 5-Trichlorophenol S/5-14] 91-58-7 [2-Chlorophenol S/5-14] 88-74-4 [2-hittpaniling S/5-14] 131-11-3 Dimothyl Phthalate IO.14 203-95-8 Azanaphthylana Io.14	59-50-7	4-Chioro-3-Meinylonenol	
### ##################################	91-57-6	2-Methylnaphthalene	
S5-95-4 2, 4, 5-Trichlorophenol S0, 4 91-58-7 2-Chiorophenothalism 10, 4 83-74-4 2-Mitrophenol S0, 4 131-11-3 Dimothyl Phihalate 10, 4 203-95-8 Azanaphthylana 10, 4	77-47-4	Hazachiorocyclopantadiana	
31-58-7 2-Chioronaonthalane 10.4	88-06-2	2, 4, 5-Trichiorpohenal	4
88-74-4 2-Nitroaniling 50-4	\$5-95-4	2, 4, 5-Trichlorophanal	50.4
131-11-3 Oimpthyl Phthalate 10-14 208-95-8 Azanaphthylana 10-14	91-58-7	2-Chieronaonthalare	10.4
208-36-8 Acanachthylana Io.u	33.74-4	2-Mittoaniling	50.4
200,100	131-11-3	Dimothyl Phthalate	10.4
[20 00 2 2 Vissandian 50 W	208-35-8	Acanachthylana	10.4
JAA-CA-V (1-MILOSUILLS)	99-09-2	3-Nitroaniline	50.u

CAS	•	wa/lor ug/Kg
Rumber		(Circle One
B3-32-9	Aconaphinene	10.u
51-23-5	2. 4-Dinitrophenol	50.U
100.02.7	4-Nitrochenol	Sp.u
132-64-9	Dipanzoluran	10.4
121-14-2	2 4-Dinitratoluana	
606-20-2	2, 6-Dinnreteluane	
84-66-2	Diethylphthelate	
7005-72-3	4-Chiorophanyl-phanylether	
86-73-7	Fluorana	V
100-01-8	4-Nitroaniline	50·4
534-52-1	4, 5-Dinitro-2-Methylphanoi	50.u
35-30-6	N-Hitrosodiphenylamine (1)	4.0 J
101-55-3	4-Bromoohanyl-phanylether	10. U
118-74-1	Maxachiorobanzane	10.14
87-85-5	Pentachiorophenoi	504
85-01-8	Phenanthrene	10.u
120-12-7	Anthracane	
84.74.2	Di-n-Buly(phthalate	
208-44-0	Fluorstifhane	
129-00-0	Pyrene	
35-88-7	Butylbenzylphthalate	4
31-94-1	3, 3'-Dichloroperizidine	20.4
56-55-3	BanzoralAnthracana	10.44
117-31-7	(bist2-Ethvingsvi)//hthalate	
218-01-9	Chrysena	
117-84-0	Di-n-Octyl Phinalate	
205-99-2	Benzelo Fluoranthere	
207-08-9	energinesqui (sictine)	
%O-32-8	geurgas, Ataus	
133-39-5	indenoil, 2, 3-cd/Pyrana	
33-70-3	Oibenna hWmhracane	
131-24-2	Sanzolg h, iParylana	V

⁽¹⁾⁻Cannot be separated from dignarylamina

	0035
Sample Number	
FUT-5	

Laboratory Name	MAS Knoxyille	
Case No	ESG 23610	

Organics Analysis Data Sheet (Page 3)

Pesticide/PCEs

Concentration Low Medium (Circle One)	GPC Cleanup □Yes ♥No
Date Extracted / Prepared 12-21-50	Separatory Funnel Extraction 💆 Yes
Date Analyzed 1-9-87	Continuous Liquid - Liquid Extraction (1) es
Conc Dil Factor 1, 1/10	
Percent Maintines (decemend)	

CAS Number		(Circle One)
313-84-6	Alpha BriC	NA
319-85-7	Seta-3HC	
319-86-8	Onita-BHC	
58-89-9	Gamma-BHC (Lindane)	
75-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Meptachlor Epoxide	
959.98.8	Endosulfan i	
50 57-1	Dieldrin	
72-55-9	4. 4 -00E	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4 4 .000	
1031-07-8	Endosulfan Sulfate	
50-29-3	4 4 -007	
72-43-5	Mathoxychior	
53494-70-5	Endrin Katone	
57-74-9	Chlordane	4
8001-35-2	Toxaphene	1.00
12574-11-2	Aracior-1015	0.54
11104-28-2	Arccior-1221	0.54
11141-16-5	Arocior-1232	0.54
53489-21-9	Aroctor-1242	0.54
12672-23-5	Arocior-1248	o.su
11097-89-1	Aroclor-1254	1.54
11096-32-5	Araciar-1250	1.04

- V, * Volume of extract injected (ul)
- V_g = Volume of water satisacted (ml)
- W_e = Weight of sample extracted (g)
- V₁ = Volume of total extract (ul)

٧,	1000 mg	or W ₈		٧,	_المروووما	٧,	5,2
----	---------	-------------------	--	----	------------	----	-----

Sample	Number
ENT	6

Organics Analysis Data Sheet (Page 1)

0067

Laboratory Name: ITAS - KNOXVILLE	Case No: E G G 73610
Lab Sample ID No:	QC Report No:
Sample Matrix:water	Contract No:
Data Release Authorized By: W.T. Gulon	Date Sample Received: 12-17
Volatile Cor	npounds
Concentration: Low f Date Extracted/Prepared:	NA (ANALYSIS
Date Analyzed:	
Conc/Dil Factor:A	1
Percent Moisture: (Not Dec	anted)

CAS Number	,	ug/l or ug/Kg {Circle One}
74-87-3	Chloromethane	NA
74-83-9	Bromomethane	
75-01-4	Vinvi Chloride	
75-00-3	Chicathana	
75-09-2	Methylana Chlorida	
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichforcethene	
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichloroethene	
67-66-3	Chloroform	
107-06-2	1, 2-0ichlorcethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichtoroethane	
56-23-5	Carbon Tetrachloride	
108-05-4	Vinyl Acetate	
75-27-4	Bramodichloromethane	V

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dicaloropropane	NA
10061-02-6	Trans-1, 3-Oichloropropene	1
79-01-6	Trichiaroethene	
124-48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichloroethane	1
71-43-2	Benzene	
10061-01-5	cis-1, 3-Dichterppropens	
110-75-8	2-Chloroethylvinvlether	
75-25-2	Bromotorm	
108-10-1	4-Methyl-2-Pentanone	
591-78-6	2-Hexanone	
127-18-4	Tetrachloroethene	
79-34-5	1, 1, 2, 2-Tetrachiorcethane	
108-88-3	Toluere	ĺ
108-90-7	Chlorobentene	
100-41-4	Ethylbenzene	
100-42-5	Styrene	
	Total Xvienes	1

Desa Hesertung Questifiers

For reporting needs to EPA, the following results quakriest are used. Assistantal Regs or listinoses exclaiming results are encouraged. However, the definition of each Reg must be explicit.

- Value If the result is a value grooser than or squal to the detection limit, roport the value
 - U Indicates compound was arrivated for but not detected. Report the minimum detection limit for the semple with the Ule 9, 100) based on necessary concentration relating action. (This is not necessarily the instrument detection limit.) The footnote should read. U-Compound was analyzed for but not directed. The number is the minimum attainable detection limit for the sample.
 - J Indicates an assiminal value. This Itag is used either when estimating a concentration for tentatically identified compounds where a 1.1 response is insuring or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the spectrad detection hims but greater than zero leig. 10u3 If hims of detection is 10 ugr1 and a concentration of 3 ugr1 is obtculated, report as 3.3.
- G. This flag apprises to be exist also be smarters where the internal cation has been confirmed by 'GC MS'. Single component pasticities ≥10 ng/ul in the final exists should be confirmed by GC/MS.
- This flag is used when the analyse is found in the blank as well as a sample. It indicates passible prohibble blank containmetron and werns the data user to take appropriate action.

Other Specific (lags and fournores may be required to proson others than essuit. If used, they must be fully denot and such beorrower anached to the data summary report.

11/85

Laboratory Name	ITAS-KNOXVIILE
Case No	EGG_ 23610 .

Sample Number ENT6

Organics Analysis Data Sheet (Page 2)

AA6457RP 0068

Semivolatile Compounds

ug/lbrug/Kg

Circle One)

10.4

10.u

50. H

10.4

50. u

10.4

10.u

Concentration: Low Medium (Circle One)	GPC Cleanup DYas @No
Date Extracted / Prepared 1- 15-87	Separatory Funnel Extraction TYes
Date Analyzed: 1-17-57	Continuous Liquid - Liquid Extraction Exes **
Conc/Dil Factor: 1.0 L / 2.0 ml	
Percent Moisture (Decanted)NA	

bisi-,2-ChloroethvilEther

1 3-Dichtoropenzane

1 4-Dichlorobenzene

2-Chiorophanol

Renzvi Alcohol
1 2-Dichloropanzene

95-48-7 2-Mathylphanol 39638-32-9 bis(2-chloroiscpropyli£ther

4-Methylanenol

Hexagniorostnane

2, 4-Dimethylphenol

2, 4-Dichlorophanol

Hexachidrobutadiene

2-Meinylnaphthalana

2. 4 3-Trichierechanel

2, 4, 5-7richilorponensi

2-Chloronaphthalana

Dimethyl Phinalota

2-Nitroandine

Acensonthylana

3-Mitroaniline

4-Chlore-3-Methylphenol

Hexachlorocyclopantadiana

1, 2, 4-Trichlorobenzene

Nitrobenzane

2-Nitrophenol

Benzoic Acid

Naphthalane

4-Chlorosniline

isophorone

N-Nitroso-Di-n-Proovismine

bist-2-Chiorpethoxy/Mathane

CAS

Number

108-95-2

111-44-4 95-57-8

541-73-1

105-45-7

100-51-6

95-50-1 95-48-7

106-44-5

621-64-7

57-72-1

98-95-3

78-59-1

88-75-5

105-67-9

65-85-0

111-91-1

120-83-2

120.82.1

91-20-3

105-47-8

87-68-3

59-50-7

31-57-6

77-47-4

88-C6-2

95-35-4

\$1.53.7

88-74-4

131-11-3

203-96-8

99-09-2

CAS Number		Us/I or ug/K
33-32-9	Acensoninene	10.4
51-29-5	2, 4-Dinitrophenol	50.4
100-02-7	4-Narophenol	50·u
132-84-9	Dibenzofuran	10.4
121-14-2	2 4-Dinitratoluene	
808-20-2	2, 6-Dinitrotoluene	
34-65-2	Diethylphthalate	
7005-72-3	4-Chiprophenyl-phenylethe:	
86-73-7	Fluorana	V
100-01-8	4-Nitrosniline	504
534-52-1	4, 6-Dingra-2-Methylphenol	50·4
35-30-6	N-Nitrosodiphenvlamine (1)	2.05
101-55-3	4-Bramagnenyl-phenylether	10. 以
118-74-1	Hexachlorobenzene	10.4
87-38-5	Pantachiorophenol	504
85-01-8	Phenanthrana	104
120-12-7	Anthracene	
24.74.2	Oi-n-Butylphthalate	
203-44-0	Fluoranthene	
129-00-0	Pyrane	
35-63-7	Butylcantylonthalate	Ÿ
21-24-1	3. 3 -Dichloropenzidina	20.4
53.55.3	SanzolalAnthracane	10.4
117-31-7	bist2-EthythesyllPhthalata	1
213-01-9	Chrysane	
117-04-0	Di-n-Octyl Philhalata	
205.93.2	Banzo(b)Fluoranthana	
£07√3.9	Benzokifluoraninena	
30-32-4	geusclay _b yrena	
193-39-5	Indano(1, 2, 3-cd)/hrane	
53-70-3	Dibanna Hlamniscena	
131-24-2	Bentoid IV i Nationa	1/2

⁽¹⁾⁻Cannot be separated from dipherrylomina

7/85

Tas Vaccilla	0070
aboratory Name TAS Knoxville	Sample Number
Tase No E&G 23 610	ENT-6
Organics Analysis Data Sheet	

Organics Analysis Data Sheet (Page 3)

Pesticide / PCBs Concentration Low Medium (Circle One) GPC Cleanup GYes No Date Extracted / Prepared 12-21-% Separatory Funnel Extraction MYes Date Analyzed 1-9-87 Continuous Liquid - Liquid Extraction GYes Conc Dil Factor I Percent Moisture (decanted)

CAS Number		(Circle One
319-84-6	Alpha BHC	NA
319-85-7	Beta-EHC	
319-86-8	Dalta-BHC	
58-89-9	Gamma-BHC (Lindane)	
76-44-8	Haptachior	
309-00-2	Aldrin	
1024-57-3	Mediachior Epoxide	
959-98-8	Endosulfan I	
60-57-1	Dieldrin	
72-55-9	4, 41-00E	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4 4 -000	
1031-07-8	Endosulfan Sulfate	
50-29-3	4 4 - DDT	
72-43-5	Methoxychlor	
53494-70-5	Endrin Ketone	
57-74-9	Chlordane	
8001-35-2	Tozaphene	1.00
12674-11-2	Aroctor-1016	0.54
11104-28-2	Arocior-1221	0.54
11141-16-5	Arocior-1232	0.54
53469-21-9	Arcolor-1242	0.54
12672-29-5	Arocier-1248	0.54
11097-89-1	Arocior-1254	1.04
11096-82-5	Aroctor-1280	1.04

٧.	* V0	HUMA.	O .	artract	injected	fig11

Vg * Volume of water extracted (ml)

W_g = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

٧¸	1000 mg	or W		V,	1000001	٧,	5,0
----	---------	------	--	----	---------	----	-----

Sample Number

Organics Analysis Data Sheet (Page 1)

0007

		1, 48	.,		
Lab Sample Sample Ma	Name: <u>ITAS - KNOX</u> e ID No: <u>AA 6464</u> trix: <u>water</u>	R P	QC Report No:	EGG 23610 o:	
Data Relea:	se Authorized By:	· William	Date Sample	Received: 12-17-	27-
		Volatile Co	mpounds		
	Date Ex Date A Conc/C	stration: Low stracted/Prepared: nalyzed:	NA	AWALT REQUE SAMPS	LATILE 1515 ESTED THIS LE NUMBER
CAS Number	,	ug/l or ug/Kg (Circle One)	CAS Number		ug/lorug/Kg (Circle One)
74-87-3	Chloromethane	NA	78-37-5	1, 2-Dichloropropane	NA
74-83-9	Bromomethane		10061-02-6	Trans-1, 3-Dichloropropend	•
75-01-4	Vinyl Chlorida		79-01-8	Trichloroethene	
75-00-3	Chlorcethane		124-48-1	Dibromochloromethane	
75-09-2	Mathylena Chlorida		79-00-5	1, 1, 2-Trichloroethane	
67-64-1	Acetone		71-43-2	Benzene	
75-15-0	Carbon Disuifida		10061-01-5	cis-1 3-Dichloropropene	
75-35-4	1, 1-Dichlorosthana		110-75-8	2-Chloroethylvinvletner	
75-34-3	1, 1-Dichlorosthane		75-25-2	Bromoform	
156-60-5	Trans-1, 2-Dichloroethene		103-10-1	4-Methyl-2-Pentanone	
67-66-3	Chloroform		591-78-6	2-Hexanone	
107-06-2	1, 2-0ichtoroathane		127-18-4	Tetrachloroethene	
78-93-3	2-Butanone		79-34-5	1, 1, 2, 2-Tetrachioroethane	
71-55-6	1, 1, 1-Trichloroethane		103.88.3	Toluene	
56-23-5	Carbon Tetrachloride		103-90-7	Chloropenzane	

Data Resarring Qualifisms

100-41-4

100-42-5

For registering retailing to EPA, the hollowing restains qualificits are until.

Authorizing flags or locatronias exclusioning restains are enterarged. However, the definition of such flag must be excluse,

Value If the result is a value grasser than ar equal to the detection white report the value

Vinyl Acotate

Sramodichloromethar-a

108-05-4

75-27-4

- U Indicates compound was analyzed for but not detected. Aedort the minimum detection limit for the semicle with the U (e.g., 10U) bessel on necessary concentrations obtains action. (This is not necessaring the instrument detection limit.). The footnote should read. U-Compound was analyzed for but not detection. The minimar is the minimum attainable detection limit for the sample.
- J Indicates an estimator value. This flag is used either when estimating a concentration for tamentively identified compounds where a 1.1 resugned is assumed or which mess poecified data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection finite but greater than tens (e.g., 103). If finit of detection is 10 µg/1 and a concentration of 3 µg/1 is calculated, report as 3.3.
- C. This flag applies to posticide persinners where the identification has been confirmed by GC-MS. Single comparison persiscions ≥10 ng/ul in the final extract should be confirmed by GC-245.

Ethylbenzene

Total Xvienes

Styrene

§ This fing is used when the analyte is found in the blank as worll as a semple. It indicates possible proceeds blank consistential will write the data was to like appropriate Action.

Other specific flags and learners may be required to properly shifted the results. If used, they must be fully direct med and such direct mid will arrected to the data summary report.

11/35

Laboratory Name	ITAS-KNOXVILL
Case No:	EC-G 23610

Sample Number こい

AAGGGGRP

0008

Organics Analysis Data Sheet (Page 2)

Semivolatile Compounds

Concentration: Low	Medium (Circle One)
Date Extracted / Prepared.	1-15-87
Date Analyzed:	1-17-87
Conc/Dil Factor: 1.	0 L / 20. m
Percent Moisture (Decant	ted)

GPC Cleanup DYes ETNo

Separatory Funnel Extraction TYes

Continuous Liquid - Liquid Extraction - Yes MA

111-44-4 b	Phenol	(Circle One)
111-44-4 b	nenol .	
111-44-4 b		100.4
95-57-8 2	ns/-ZtChloroethvliEther	
	-Chiorophenol	
541-73-1 1	3-Dichlerobenzene	
105-45-7 1		
100-51-6 3	Benzyi Alcohol	
95-50-1 1	2-Dichlorobanzene	
95-48-7 2	-Methylphenol	
39638-32-9 5	ous:2-chiorousopropyl)Ether	
106-44-5 4	L-Metnyiphenoi	
621-64-7 N	(-Nitroso-Di-n-Propylamine	
67-72-1 H	lexachioroethane	
98-95-3 IN	itropenzene	
78-59-1	sapharane	
88-75 5 2	?-Nitrophenol	
105-57-9 2	2, 4-Oimethylphenci	٧
65-85-0	Benzoic Acid	500. u
111-91-1 5	nst-2-ChloroethoxyMathane	100.4
120-83-2 2	2, 4-Dichlorsphenol	
120-82-1 1	, 2, 4-Trichlorobanzene	
91-20-3 N	raphthalene	
106-47-8	אוויוסיסולס-ורChloroanilina	
87-68-3 F	dexachiorobuted:ene	
53-50-7	I-Chiora-3-Methylohanoi	
91-57-6 2	enetaninantyrisM-1	
77-47-4 H	fesschiorocyclopentadiane	
88-05-2 2	l, 4, 6-Trichlorophenol	4
95-95-4 2	l, 4, 5-Trichiorophanol	500 K
31.58-7 2	-Chioronaonthalana	100.U
88-74-4 2	i-Nitroaniline	500. u
131-11-3	Dimethyl Phthalate	100.4
203-35-8 14	Kanaghthylana	100.4
99-09-2 3	Nitroaniline	200.rr

CAS Number		(Circle One)
33-32-9	Acenaphthene	1034
51-23-5	2, 4-Dinitrophenol	50t.u
100-02-7	4-Narophanol	500.u
132-64-9	Dibanzofuran	100.W
121-14-2	2 4-Dinitratoluene	
60-5-20-2	2. 5-Dinitrotoluene	
34-65-2	Diethylphthalate	
7005-72-3	4-Chlorcohenyl-phanylether	
85-73-7	Fluoryne	Ų
100-01-6	4-Nitroanilina	500·u
534-52-1	4, 6-Dinitro-2-Mathylphenol	500.4
36-30-6	N-Nitrosodiphenvlamine (1)	100.4
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachioropenzene	¥
87-86-5	Pantachiorophanol	5210.4
85-01-8	Phenanthrane	100.4
120-12-7	Anthracane	
34-74-2	Di-n-Butviphthalate	
206-44-0	Fluoramhane	
129-00-0	Pyrene	
85-68-7	Survicenzylphtnalate	4
31-94-1	3, 3'-Dichtorobenzidine	200.u
56-55-3	SenzoleiAnthracene	100.4
117-81-7	bist2-Ethvinexvi)Phthalate	
213-01-9	Chrysona	
117-84-0	Oi-n-Octyl Phinalate	
208-99-7	Benzo(b)Fluorantherie	
207-03-9	Banzeit/Fiveranthana	
50-32-8	Bento(a)/Yrana ·	
193-39-5	Indanol 1, 2, 3-cdiffyrene	
53-70-3	Oibenzia, hiAmmiecene	
191-24-2	Benzoig, h. iPerviena	

(1)-Cannot be separated from diphenylemine

^		•	•
J	O	1	0
. 3	U	1	1/

Laboratory Name TTAS Knowille	Sample Number
Case No EGG 23 610	سه
	L

Organics Analysis Data Sheot (Page 3)

Posticide/PCBs

Concentration Low Medium (Circle One)	GPC Cleanup 🗆 Yes 🌣 No
Data Extracted / Prepared 12-31-80	Separatory Funnel Extraction XYes
Date Analyzed 1-9-87	Continuous Liquid - Liquid Extraction Yes
Conc Dil Factor	
Percent Moisture (decanted)	

CAS Number		(Circle One)
319-84-6	Alpha BHC	I NA
319-85-7	Beta-BHC	
319-85-8	Delta-8HC	
58.89.9	Gamma-BHC (Lindane)	
78-44-3	Heptachtor	
309-00-2	Aldrin	
1024-57-3	Meptachtor Epoxide	
959.98.8	Endosuitan I	
30·57·1	Dieldrin	
72-55-9	4 4 -005	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4 4 -000	
1031-07-8	Endosulfan Sulfate	
50-29-3	4 4-007	
72-43-5	Methoxychlor	
53494-70-5	Endrin Ketone	
57-74-9	Chlordane	4
8001-35-2	Toxonene	1.00
12574-11-2	Aroclor-1015	0.54
11104-23-2	Aractor-1221	0.54
11141-16-5	Arocior-1232	0.54
53489-21-	Aradiar-1242	0.54
12672-23-6	Aroctor-1248	0.54
11097-89-1	Azaclar-1254	1.04
11096-32-5	Arocior-1250	1.04

- V_i = Volume of extract injected (ui)
- V_g * Volume of water extracted (ml)
- W_g = Weight of sample extracted (g)
- \mathbf{V}_{t} = Volume of total extract (ul)

v	1000ml	ne lee	v	10000 20	v	5.2
٧.		or W.	 ٧,		٧.	

Sample Number

Organics Analysis Data Sheet (Page 1)

0100

Laboratory Name: 17AS — KNOXVILL E Lab Sample ID No: 446460RP	Case No: EGG 23610
Sample Matrix: Water	QC Report No:
Data Release Authorized By: W.7. Walow	Date Sample Received: 12-17-84
Volatile Co	empounds
Concentration: Low	7 100
Date Extracted/Prepared:	
Date Analyzed:	SAMPLE NUMBER
Conc/Dil Factor:	<u>VApH</u>
Percent Moisture: (Not De	canted)

CAS Number	,	ug/l or ug/Kg (Circle One
74-87-3	Chloromethane	NA
74-83-9	Bromomethane	1
75-01-4	Vinvi Chloride	
75-00-3	Chloroethane	
75-09-2	Methylene Chloride	
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichlorosthene	
75-34-3	1, 1-Dichtoroethane	
156-60-5	Trans-1, 2-Dichloroethene	
67-66-3	Chloroform	
107-06-2	1, 2-Dichlorosthans	
78-93-3	2-Butanone	
71-55-5	1, 1, 1-Trichlorgethane	
56-23-5	Carbon Tetrachloride	
108-05-4	Vinyl Acetate	
75-27-4	Bromodichloromethane	1

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	NA
10061-02-6	Trans-1, 3-Dichtoropropene	
79-01-6	Trichloroethene	
124-48-1	Dibromochloromethane	
79.00-5	1, 1, 2-Trichloroethane	
71-43-2	Sentene	
10061-01-5	ci3-1, 3-Dichloroprocens	
110-75-8	2-Chlorostnylvinylether	
75-25-2	Bromoform	
108-10-1	4-Methyl-2-Pentanona	
591-78-6	?-Haxanone	
127-18-4	Tetrachlorcetnene	
79-34-5	1, 1, 2, 2-Tetrachtoroethane	
109-89-3	Toluene	
108-90-7	Chloropenzana	
100-41-4	Ethylbenzene	
100-42-5	Styrene	
	Total Xvienes	¥

Data Reporting Qualifiers

For reporting results to EFA, the following rigidits qualifiers are used. Additional Regis of footnotes exclaiming results are encouraged. However, the deliminor of each Regimust be explicit.

- Value If the result is a value greater than or equal to the detection limit, report the value
- Indicates compound was analysed for but not detected. Record the minimum detection firms for the sample with the U le q., 10U based en necessary concentration /dilution action. (This is not necessarily the instrument detection limit.). The footnote should raid. U-Campound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
- J Indicates an assiminated value. This flag is used either when estimating a concentration for tentatively isentified compounds where a 1.1 response is assumed or when the mess specifial data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than tend lie g. 1001. If innit of detection is 10 ug/1 and a concentration of 3 µg/1 is disculated, innort as 3.0.
- G. This flag applies to a secretal per immers where the identification has been confirmed by GC MS. Single component pesitivities ≥10 rg/ul in the final extract should be confirmed by GC/MS.
- This flag is used when the analyse is found in the blank as kert as a sample. It indicates puscious procupie blank containmetion and werns the data year to take appropriate action.

Other Other specific itags and foramores may be required to properly define the results. If used, they must be fully described and such describing attached to the data summary rejort.

Form I

11/85

Laboratory Na	me ITAS-KNOXVIlle
Case No	EGG 23610

Sample Number POTW. AAGHBORP

0101

Organics Analysis Data Sheet (Page 2)

Semivolatile Compounds

Concentration: Low	Medium (Circle One)
Date Extracted / Prepared	1-15-87
Date Analyzed:	1-17-57
Conc/Dil Factor:	06/2.001
Percent Moisture (Decant	ed) <u>NA</u>

GPC Cleanup TYes BNo

Separatory Funnel Extraction TYes

Continuous Liquid - Liquid Extraction ☐¥es MA

CAS Number		ug/lor ug/Kg (Circle One)
108-95-2	Phenol	10.u
		7

Number		(Circle One
108-95-2	Phenol	10. u
111-44-4	bist-2-ChlorosthvilEther	
95-57-8	2-Chlarophenal	
541-73-1	1 3-Dichlorobenzene	
106-46-7	1 4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1 2-Dichlorobenzene	
95-48-7	2-Methylonenol	
39638-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylphenol	
621-64-7	N-Nitrasa-Di-n-Propylamine	
67-72-1	Hexachicroethane	
98-95-3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-57-9	2, 4-Dimethylphenol	À
65-85-0	Benzoic Acid	50. U
111-91-1	bisi-2-ChlorosthoxyiMathana	10.4
120-83-2	2, 4-Dichlorophanol	
120-82-1	1, 2, 4-Trichlorobenzane	
91-20-3	Naphthalene	
10-8-47-8	4-Chlorcanilina	
87-88-3	Herachlorobutadiena	
59-50-7	4-Chloro-3-Mathylphanol	
91-57-6	2-Methylnephthalane	
77-47-4	Hexachlorocyclopantadiana	
88-06-2	2, 4, 5-Trichiorechanol	V
95.55-4	2, 4, 5-Trichlorophenol	50.4
91-58-7	2-Chioronaphthalana	10.4
33-74-4	2-Norceadine	ક્ટ પ
131-11-3	Dungthyl Phthalete	10.U
200-95-8	Acanaonthsiana	10.4
99-09-2	3-Nitroaniline	50.4

CAS Number

Manuel		ICITE ON
93.32.9	Adensorthene	10.4
51-23-5	2, 4-Dinitrophenol	50. U
100-02-7	4-Mitrophanol	50·u
132-84-9	Dibenzofuran	10.4
121-14-2	2 4-Dinitrotoluene	-
SC5-20-2	2. 6-Dinitratoluene	
34.55.2	Disthylonthalate	
7005-72-3	4-Chlorophenvi-phenvisther	
85-73-7	Fluorene	V
100-01-6	d-Nittreaniline	50·4
534-52-1	4, 6-Dinitro-2-Methylphenoi	50·4
36-30-6	N-Nitrosodiphenviamine (1)	4.0 5
101-55-3	4-Bromophanyl-phenylether	10. U
118-74-1	Mexachiorobenzane	10. u
87-86-5	Pantachiorophenol :	5०.५
85-01-8	Phananthrene	10.4
120-12-7	Anthracone	
BA-74-2	Di-n-Buttingtralate	
203-44-0	Fluoranthone	
129-00-0	Prior	
33-63-7	Butyibenzyipninalata	Ŋ
[91-94-1	(3, 3'-Dichloroparzidina	೨೦. ಇ
33-55-3	(ilenimia)Anthrecene	10.14
117-31-7	loisi2-EthythesylPhthalate	
219-01-3	Chrysane	
117-34-0	Or-n-Octyl Phinalate	
£ 53.89.2	Janzo(b%)uprantnena	
207-03-9	denzekhrluoranthane	
50-32-3	Genzera)Pyraria	
193-39-5	Insand 1, 2, 3-cd/Pyrana	
33-79-3	פחפשפותות את בתחבמים	
191-24-2	Benzoig h, ilPerviene	N/

Laboratory Name <u>ITAS Knoxyille</u>

Case No <u>EGG 23 (210</u>

Sample Number

Organics Analysis Data Sheet (Page 3)

Pesticide/PC8s

Concentration Low Medium (Circle One)	GPC Cleanup El Yes XNo
Date Extracted / Prepared 12-21-80	Separatory Funnel Extraction XYes
Date Analyzed 1-9-87	Continuous Liquid - Liquid Extraction DYes
Conc (Dil Factor)	
Percent Moisture (decanted)	

CAS Number		(Circle One)
319-84-6	Alpha-BHC	NA
319-85-7	Beta-BHC	
319-86-8	Delta-9HC	
58-89-9	Gamma-9HC (Lindane)	
76-44-8	Haptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
359-98-8	Endosulfan I	
60-57-1	Dieldrin	
72-55-9	4 4 .DOE	
72-20-8	Endrin	
33213-65-9	Endosultan li	
72-54-8	4.4-000	
1031-07-8	Endosulfan Sulfate	
50-29-3	4 4'-DDT	
72-43-5	Methaxychiar	
53494-70-5	Endrin Ketone	
57-74-9	Chlordanie	1 4
8001-35-2	Toxachene	1.04
12674-11-2	Aracior-1016	6.54
11104-28-2	Arocior-1221	0.5U
11141-16-5	Arocior-1232	0.50
53469-21-9	Arcelor-1242	0.54
12572-29-5	Arocigr-1248	0.54
11097-59-1	Arccior-1254	1.04
11096-82-5	Aroclor-1260	1.04

- V, * Volume of extract injected (ul)
- V. = Volume of water extracted (mi)
- We Weight of sample extracted (g)
- V, = Volume of total extract (ul)

٧	1000 ml	or W.		٧.	<u> </u>	V.	<u>5</u>
---	---------	-------	--	----	----------	----	----------

Sample Number WB |

0123

1

Organics Analysis Data Sheet (Page 1)

Lab Sample ID No: AA 6470 RP Sample Matrix: Lab Cample Matrix: Lab Ca	Case No:EGG 23610 OC Report No: Contract No:
Data Release Authorized By: W.7. (Lilan)	Date Sample Received: 12-17-86
Volatile Co	ompcund s
Concentration: Low Date Extracted/Prepared Date Analyzed: Conc/Dil Factor: Percent Moisture: (Not D	NA DI VOLATILE ANALYSIS REQUESTED THIS

CAS Number	1	ug/l or ug/Kg (Circle One)
74-87-3	Chloromethans	NA
74-83-9	Bromomethane	
75-01-4	Vinvi Chloride	
75-00-3	ensated of the Child	
75-09-2	Methylana Chlorida	
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichlorcethene	
75-34-3	1, 1-0ichlorosthane	
156-60-5	Trans-1, 2-Dichloroethene	
67-66-3	Chloroform	
107-05-2	1, 2-Dichlorsethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichloroethane	
56-23-5	Carbon Tatrachlorida	
108-05-4	Vinyl Acatate	
75-27-4	Bromodichieromethane	1 4

CAS Number		ug/i or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	NA
10061-02-6	Trans-1, 3-Oichforopropene	
79-01-6	Trichlorcethene	\
124.48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10051-01-5	cis-1, 3-Dichlaropropene	
110-75-3	2-Chlorcetnylvinylether	
75-25-2	Bromatorm	
108-10-1	4-Methyl-2-Pentanone	
591-78-6	2-Hexanone	
127-18-4	Tetrachlorcathene	
79-34-5	1, 1, 2, 2-Tetrachloroethane	
108-88-3	Toluene	
103-90-7	Chioropenzene	
100-41-4	Sthylbenzene	
100-42-5	Styrene	
	Total Xvienes	प

Data Reporting Qualifiers

For responsing near-test is EPA, the following results own lient are used. Additional flags or fournities evolutioning results are encountryid. However, the definition of each flag investible explicit.

- Value If the result is a value greater then or equal to the 621sttook limit, report the value
- U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (a.g., 100) based on necessory concentration/distribution action. (This is not necessarily the instrument distection limit.) The footnote should read. U-Carnoound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
- Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1.1 response is assumed or when the mass spectral data indicated the presence of a compound that ments the destribution criteria but the result is less than the specified detection limit but greater than zero (e.g., 100). If limit of priection is 10 µg/1 and a concentration of 3 µg/1 is calculated, report as 3.0.

The Louis of the Control of the Cont

- This flag angues to pursicula parameters where the identification has been confurmed by GC-MS. Surjet component persiculat ≥10 ng/ul in the final extract should be confurinted by GC/MS.
- 8 This flaq is used when the entities is found in the blank as well of it sample. It implicates possible prohibite blank concarational and viority the data upon to take 300 poor lete action.

Other specific flags and looknores may be required to precise within the results. If used, they must be fully described and such stress-print attached to the data summary report.

Form I

889

11/85

Mildhel w

Laborator	y Name	ITAS-KNOXVIILE
Case No		EGG 23610 .

11

Sample Number

WB1.

AA6470R12

012

Organics Analysis Data Sheet (Page 2)

Semivolatile Compounds

Concentration: (Loy	Medium	(Circle One)	
Date Extracted / Prepared	1-15-87		
Date Analyzed:		17-87	
Conc/Dil Factor:	061	2.0 ml	
Percent Moisture (Decant	ed)	NA	

GPC Cleanup DYes ENo
Separatory Funnel Extraction EYes

Continuous Liquid - Liquid Extraction = Yes ##

CAS Number		ug/lorug/Kg (Circle One)
108-95-2	Phenoi	10.4
111-44-4	bis(-2-Chlorpethyl)Ether	
95-57-8	2-Chiorophenol	
541-73-1	1 3-Dichlorobenzene	
106-46-7	1 4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1 2-Dichfordbanzene	
95-48-7	2-Mathylphanol	
39638-32-9	bist2-chloroisopropyl)Ether	
106-44-5	4-Methylphenoi	
821-54-7	N-Nitroso-Di-n-Propylamine	
57-72-1	Hexachioroethane	
98-95-3	Nitrobanzane	
78-59-1	isophorana	
88-75-5	2-Nitrophenol	
105-57-9	2. 4-Dimethylphenol	
65-85-0	Benzoic Acid	50. u
111-91-1	bist-2-ChloroathoxyMathana	10.u
120-83-2	2, 4-Dichlorophenol	
120-82-1	1, 2, 4-Trichlorobenzene	
91-20-3	Naphthaiene	
105-47-8	4-Chiorpaniline	
37-58-3	Haxachiorobuladisha	
59-50-7	4-Chioro-3-Mathylohenol	
91-57-6	2-Methylnsohthalens	
77-47-4	Hazachlorocyclocantadigna	
Dat-06-2	2. 4 6-Trichlorcohenol	N/
95-35-4	2, 4, 5-Trichtorophenol	50.4
31-53-7	2-Chloronaonthalana	10.4
88.74-4	2-Nitroanikne	50.4
131-11-3	Dimethol Phinalete	10.4
203-95-8	Aceneonthylene	10.4

3-Naroanilina

CAS Number		ug/lor ug/Kg (Circle One
83-32-9	Acenaphinene	10.U
51-28-5	2, 4-Dingrephenol	50.4
100-02-7	4-Hitrophanol	50·u
132-64-9	Dibenzofuran	10.4
121-14-2	2 4-Dinitrotoluene	
606-20-2	2, 6-Dinitrotaluene	
34-55-2	Diethylphthalate	
7005-72-3	4-Chlorophanyl-phanylether	
86-73-7	Fluorene	Ý
100-01-6	4-Nitroanilina	50·4
534-52-1	4, 6-Dinitro-2-Mathylphenol	50.u
85-30-6	N-Nitroscoliphanvlamine (1)	10.14
101-55-3	4-Bromophenyl-phenylether	10. U
118-74-1	Haxachioropanzane	10. u
87-86-5	Pantachiorophenol	5 ⊘.ч
85-01-8	Phenanthrane	10.4
120-12-7	Anthrocone	
34-74-2	Di-n-Butylohthalate	
203-44-0	Fluoranthene	
129-00-0	Pyrona	
35-88-7	Sutyibanzylantnalata	4
91-94-1	3, 3'-Dichlorobenzidine	20. u
ეგ6.55·3	BanzotaMnthracane	10.4
117-81-7	bis(2-Ethylnesyl)Phthalata	
218-01-9	Chrysana	
117-84-0	Di-n-Octyl Phinalata	
205-99-2	Janzaio)Fluoranthane	
207-C9-9	Banzokt/Fluoranthana	
50-32-8	Banzida Prono	
193-33-5	Indand 1, 2, 3-cd) Pyrana	
33.70.3	O-banza, hlAmhracane	
131-24-2	Benzolg h, ilParylene	Y

(1)-Cannot be separated from diphenylamina

7/85

50.4

Laboratory Name	TTA	5 Knoxville	Sample Number
ase No	egg	23610	WBI
		Organics Analysis Data Sheet (Page 3)	

Pesticide/PCBs

Concentration Low Medium (Circle One)	GPC Cleanup □Yes 対No
Date Extracted / Prepared 12-21-80	Separatory Funnel Extraction XYes
Date Analyzed 1-9-87	Continuous Liquid - Liquid Extraction - Yes
Conc (Dil Factor)	
Oarrant Mourture (decented)	

CAS Number		(Circle One)
319-84-6	Alpha BHC	NA
319-85-7	Beta-BHC	
319-86-8	Delta-BHC	
58-89-9	Gamma-BHC (Lindane)	
76.44-8	Haptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachlor Eposide	
959-98-8	Endosulfan I	
60-57-1	Dieldrin	
72-55-9	4 4 -DDE	
72-20-8	Endrin	
33213-65-9	Endosultan II	
72-54-8	4 4'-000	
1031-07-8	Endosuitan Sulfate	
50-29-3	4 4 -007	
72-43-5	Methoxychior	
53494-70-5	Endrin Katone	
57-74-9	Chlordane	V
8001-35-2	Toxaphane	1.04
12574-11-2	Arccior-1016	0.54
11104-28-2	Arocior-1221	0.54
11141-16-5	Arcolor-1232	0.54
53469-21-9	Arcelor-1242	o.5u
12672-29-6	Arociar-1248	0.54
11097-59-1	Aroclor-1254	1.04
11095-82-5	Arector-1260	1.04

٧,		Volume	of	extract	injected	(ui)
----	--	--------	----	---------	----------	------

V_s * Volume of water extracted (ml)

W_g = Weight of sample extracted (g)

V_t = Volume of total extract (ul)

v, 1000 m	0 W		. v, <u>5.J</u>
-----------	-----	--	-----------------

SOIL SURROGATE PERCENT RECOVERY SUMMARY

10 10 10 10 10 10 10 10			1	Modken										
1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,00				1		1 1 1	1 1	1	1	EMI-VOLATIL	1	1		P-PESTICIDE.
Fig. 1		12.17.0c	Tawar - es	:	1,5 BICH 040-	#1780 - BENZENE-08	2-FLUORO-	TERPHENTE -			\$4-10H14	- 0100 14-4	E.4.6 TRIBROUD	34704360 H3 -1410818 -1410818
FS-1 G G G G G G G G G G G G G	L		111-1111	174-1711	(16-111)	(33-130)	(30-111)	(10-131)		,	(11-113)	(181-181)	110-1111	1041-01)
F.S. Commeted F.S. F.S		F5-1				42	50	70			817	717	46	101
134 50 54 64 25 67 107 E5-3		5-196				410	48	77			34	94	44	1
FS-2	2	S-1 ac				34	50	1 75			50	746	38	- 1
Page		FS-2				.54	69	ካረ			49	77	45	Lol
## VALUES ARE CUTSIDE OF CONTRACT REQUIRED OC LIMITS ### 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 197 19		F5-3				- 97	46	ጵ			20	53	4)	8
AB-12 AB-12 AB-13 AB-14 AB-15 AB-1		上上文		- 1	BALLED	377	6.4	3.5			40	464	**	=
AD-3 AD-18 FILE Activation 1 Ac		AD-1				5.2	. 65	2.5			56	45	7	=
AP-18/run AP-18/run AP-18/run AP-18/run APP APP APP APP APP APP APP A		AD-3			,	3.4	46	43			40		34	109
Authol 8 Martin 8 Mar						4.3	5.2	44			39	36		
autholigies 49 51 41 32 — 68 autholigies 6 49 51 41 37 32 — 68 autholigies 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Æ	Lind Clark				104	108	6.3			101	114	57	110
### ### ##############################	7		-			40	4)	1.5			7	37	71	1
Volatiliss: Volatiliss: Volatiliss: Volatiliss: Volatiliss: Volatiliss: Volatiliss: Volatiliss: Volatiliss:	7	1 B 163				-1	ı	1			1	١	}	88
* VALUES ARE CUTSIDE OF CONTRACT RECUIRED OC LIMITS * ALUES ARE CUTSIDE OF CONTRACT RECUIRED OC LIMITS * ADVISORY LIMITS CALLY * Pasticidass * Desticidass * Desticida														
4 VALUES ARE CUTSIDE OF CONTRACT REQUIRED OC LIMITS 4 VALUES ARE CUTSIDE OF CONTRACT REQUIRED OC LIMITS 5 Som—Volatiless 6 out of														
# VALUES ARE CUTSIDE OF CONTRACT REQUIRED OC LIMITS # VALUES ARE CUTSIDE OF CONTRACT REQUIRED OC LIMITS # Particléss: Out of Let		Ì												
# VALUES ARE CUTSIDE OF CONTRACT REQUIRED OC LIMITS Volatiles: H 2 out of Local putside of OC limits Semi-Volatiles: H 2 out of Local putside of OC limits Pasticides:														
# VALUES ARE CUTSIDE OF CONTRACT REQUIRED OC LIMITS # VALUES ARE CUTSIDE OF CONTRACT REQUIRED OC LIMITS # Semi-Volatiles: # 2 out of 66 inits Pasticidas: 0 out of 8 putside of QC limits Consecret:														
# VALUES ARE CUTSIDE OF CONTRACT REQUIRED OC LIMITS # Semi-Volatiless # Semi-Volatiless # Pasticidass # Out of 66 in its Pasticidass # Out of 66 in its Comments:						-								
OF CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Semi-Volatiles: Semi-Volatiles: Semi-Volatiles: Semi-Volatiles: Pesticides: 9 out of 46 putside of QC limits Pesticides: 9 out of 8 putside of QC limits														
OF CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Semi-Volatiles: Semi-Volatiles: Pesticides: 9 out of 26 imits Pesticides:						-								
OF CONTRACT REQUIRED OC LIMITS Semi-Volatiles: H 2 out of Let 1 outside of QC limits Semi-Volatiles: H 2 out of Let 1 outside of QC limits Pasticidas: 9 out of 8 1 outside of QC limits						•								
OF CONTRACT REQUIRED OC LIMITS Semi-Volatiles: # 2 out of 6 1 outside of OC limits Semi-Volatiles: # 2 out of 6 1 outside of OC limits Pesticides: 8 out of 8 1 outside of OC limits						T								
OF CONTRACT REQUIRED OC LIMITS Volatiles: A 2 out of 66 poutside of OC limits Semi-Volatiles: A 2 out of 66 poutside of OC limits Pesticides: 9 out of 8 poutside of OC limits						+								
OF CONTRACT REQUIRED OC LIMITS Somi-Volatilies: # 2 out of 66 poutside of OC limits Pesticides: 9 out of 8 poutside of OC limits	1_					-								
Semi-Volatiles: 25 2 out of 26 1 outside of QC limits Pesticides: 9 out of 26 1 outside of QC limits	-	VALUES	ARE OUTS!	DE OF CON	1	JIRED OC LII	MITS	Volati	1	·	Ī	outside of O	C Ilmits	7/8
	의 참	ADVISOR	Y LIMITS C	<u>ا</u> ر ۲				Sami- Pastic	1 1	41	38	outside of G outside of Q	IC limits	
	-	Commen	te:											

BOIL ELATHIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Low Lovel	//	Medium Level	OAO							
FRACTION	Consonio	CONC. SPIKE ADDED (143/Kg)	SAMPLE	COMC.	REC	CONC.	A SEC	RFD	300	REPORT HEEODERIV
VOA	1,1-Ohdrahararahana								23	50-172
035	Trichbroatlans								24	62.137
	Chlorobansane								21	£0.133
_,	Yoshang								7	59-139
	Senzons								31	\$4.142
	1,2,4. Trickiprobansana	3600	0	890	254	840	75.	٥	23	33.107
	Acanaphahans			940	~7z	930	76.0	1,2	10	31.137
0.3	7.4 Dinitrotoluma			190	225	790	227		47	28-83
SAMPLE NO.	rysena			1300	78	031	318	17	33	35-142
10 01	W. Willer Soud Sept. Physical Property			064	4 h1	00h	1	70	33	41-123
1-0-1	1.4. Dring course	/ }		950	-72°	980	27.	-3.	37	20.104
	Puntachiorophispol	72.00		140	46	110	1,5 7	h7	43	17.109
1	Phone			0051	417	1500	7 7	0	333	23.50
	2-Chinespianel			008/	57	Boo	2.5	0	្ន	25-102
	4. Chicke-3 Mounty 1/2 and			1700	4172	1500	7/2	2	33	28-103
	4-Milrophyron	=3	ار/	5.50	7.65	700	9,74	24	50	11.114
	ودر ثبنا								63	43-127
2 2	1 Reprodukt								31	35-130
	Aldra								43	34-137
- Service 200	Dieldrin								38	31.134
	Endrin								45	42.139
	4,4'05T								50	23-134

(00	00:	2 	7/85
outside OC limits outside OC limits outside OC limits				7
B/N 11 out of 12 ACID 8 out of 10.				
				FORM III
outside OC limits outside OC limits outside OC limits				
ACID out of	Contract:			

FORM III

METHOD BLANK SUMMARY

Contractor ITAS-Knoxuille

Case No. EGG 23550 Region.

9771	021 COV	FRACTION	WATRIE	:322:	M3f. 10	CAS MUUBER	COMPOUND INSL.TIC OR UMMOWN)	CONC.	UMTS	CROL
BLK 0712 B1	1-9-87	BAR	AsH	김	4023	2-11-13	Dn-butylphthalate	73, 3	2,91 kg	330.
						5-98-529	Firan 2,5-dimethyl-	210 J		İ
						108-21-4	Acetic Aciel . I methylethyl ester	1300 J		1
						ì	un troun	9400-3		ļ
						1	unknown (schorated hydrogarbon)	820 3		١
						`	uningual (externited hydroczotyn)			l
\rightarrow	>	\rightarrow	٠->,	<u> </u>	\rightarrow	١	unknown (Saturated hydrocarbon)			l
RKO643BI	1-9-87	A V	Feed Spar Lou	2	4023	2-42-48	Di-n-b-tylebibalate	930.		330
						3	Unknown	340 3		(
						4-12-801	Action Acid . Limethylethyl ested	24005		(
						6.90-529	2-Pentenol, 2, 4-dimethyl- *	1600 3		l
						110-12-3	2-hexanone 5-methyl	1900 5		1
						1	unknown (schorated hydrocarlyn)	9803		(
						١	Unknown (seturated hydrocarbon) 28005	28005		(
							un knawn	2403		1
						4305-24-4	2-heverone, 6-(acchyloxy)	15003		1
						110-13-4	2,5-hexandionc	160 J		(
A A	\rightarrow	\rightarrow		- >	>	1	un known	2403	*	\
Congressia:	* Suspected	. Led	Aldol	conde	conservate				1	
	-									
									•	
						FORM IV	5		00 003	7/85

METHOD BLANK SUMMARY

Contract No.

Contractor ITAS Knoxyille

-Ragion.

E44 C339 No. 23550

5 COMC. COMPOUND (HSL. TIC OR UNANOWN) Auna detected CAS NUMBER Mal. 10 Lew Y3700 303 24142 50:1 BAIL OF FRACISCH Past 12.A-Es C-20-8 M33-646, 23550 MBI-ESG 23550 971 Convinants: 7/85

00004

FORM IV

SOIL SURROGATE PERCENT RECOVERY SUMMARY

1	Modkmvol.	11. 10. 10. 10. 10. 10. 10. 10. 10. 10.	8 h 08 b 19 19 19 19 19 19 19 19 19 1	100 100 100 100 100 100 100 100 100 100	<u> </u>		88 = 000 7 7 7 7 7	8	120 120 88 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
1 1 1 1 1 1 1 1 1 1	ומחולים הי ברייי אסרץ	14	8h 05 59 59 6h 95 19 6h 5h 1011-011 11111111111111111111111111111	100-1311 46 50 / 50 50 / 33 37 444		44 44 44 55 55 55 57 58 58 58 58 58 58 58 58 58 58 58 58 58	2.h h5 h5 h5 h5 h5 h7 h4 h4 h4 h4 h4	66 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	11 0 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1	10, 11, 11, 11, 11, 11, 11, 11, 11, 11,			111-131 146 57 57 57 57 57 37 37 37	,	944 92 13 13 15 15 15 15 15 15 15 15 15 15 15 15 15	2. h 5. 89 6.4 6.4 6.4 6.4 6.4 6.4 6.4 6.		11 00 1 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1	(11-11)		8h 8	46 50 / 52 50 / 33 37 37 37	,	44 46 48 55 58 18 18 18	2. h A5 89 87 64 64 64 64 64 64 64 64 64 64 64 64 64		88 7. 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
31	1.4 Bla-1.5.5 - 5. 90-5 - 5. 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 90-5 - 9		8 h 8 h 8 h 8 h 8 h 8 h 8 h 8 h 8 h 8 h	50 / 50 / 33 / 34 / 34 / 34 / 34 / 34 / 34 / 3		35 19 15 15 55 55 75 75	2 h h h h h h h h h h h h h h h h h h h	85 62 62 75 75 75 76	2 b 2 c c c c c c c c c c c c c c c c c
1 1 1 1 1 1 1 1 1 1	5-5 10-5 10-5 10-6 10-6 3-6-1	7 6 6 7 6 6 7 6	8h 05 59 59 57 57 57 57 57 57 57 57 57 57 57 57 57	50 / 37 37 37 37 441		35 75 75 75 75	2 h h s s s s s s s s s s s s s s s s s	8h h3 bE Eh 16 7h 7h	2 b 2 b 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1 l 2 b 3 1
Si	10-5 10-5 10-5 ms 10-5 ms 10-6 15-6-18	6626636	8h 05 59 59 6h 6h	37 / 33 / 441		35 19 15 15 25	2.5 89 84 44 44 44 44 44	8h h3 b2 64 65 7h	001 001 001 001
654 524 37 51 144 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37 37	10-5 D-5 ms D-5 ms B5-1 D-6 S-6-Bi	() () () () () () () () () ()	8h 05 59 19 64 87 87	37		8h 85 19 18	2 h 75 89 84 64 64	8h h3 61 5h 61 75	
13	D-5 MS B-5-1 B-6-1 S-6-PN	3 4 9 4	8 h os 5 5 7 1 9 6 h	33		8h 85 19	1.h h.s 89 64 hh	37 43 39 84 84	90 1 100 1
1	85-1 10-6 3-6-Pi	V (V + V)	8h 80 80	37		8h 85	2 h hs 89	8h h3 b2	001
So 44 50 29 41 84 16 37 97 16 29 16 29 16 29 16 29 24 16 20 16 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20<	85-1 10-6 -S-6-Pi	5 7 6	\$0 \$0 4.8	417		35	7. h 55	8h h3	1001
4P 59 4P 54 84 1/4 30 4B 42 42 42 49 4B 4B </td <td>5- 6-Pi</td> <td>70</td> <td>8 h</td> <td>, ,</td> <td></td> <td>34</td> <td>7 h</td> <td>8h h3</td> <td></td>	5- 6 -Pi	70	8 h	, ,		34	7 h	8h h3	
30 48 92 42 47 48	.5-6-PM	30	8 h	5.5			2 h	84	,
CF CONTRACT REQUIRED QC LIMITS Semi-Volatiliss Semi-Volatiliss Semi-Volatiliss Semi-Volatiliss Semi-Volatiliss Out of 48 toutside of QC limits Pasticidass Out of 6 toutside of QC limits				4.7		4.5			
CF CONTRACT REQUIRED QC LIMITS Sami-Volatiliss: OF CONTRACT REQUIRED QC LIMITS Sami-Volatiliss OF CONTRACT REQUIRED QC LIMITS Sami-Volatiliss OF CONTRACT REQUIRED QC LIMITS Sami-Volatiliss OF CONTRACT REQUIRED QC LIMITS Sami-Volatiliss OF CONTRACT REQUIRED QC LIMITS OF CONTRACT REQUIRED QC L									
CF CCNTRACT REQUIRED QC LIMITS Semi-Volatiliss: Semi-Volatiliss: Desticidas: Out of 6 1 outside of QC limits Pasticidas: Out of 6 1 outside of QC limits									
CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS Somi-Volatiliss: CF CONTRACT REQUIRED QC LIMITS SOMI-VOLATILISS SOMI-VOL									
CF CONTRACT REQUIRED QC LIMITS Semi-Volatiliss: Pasticidas: Out of 1 outside of QC limits Semi-Volatiliss: Desticidas: Out of 2 i outside of QC limits Pasticidas: Out of 2 i outside of QC limits									
OF CCMTRACT REQUIRED QC LIMITS Semi-Volatiless Semi-Volatiless Pesticidess: Out of #8 putside of QC limits Pesticidess: Out of 6 B putside of QC limits									
CF CONTRACT REQUIRED OC LIMITS Semi-Volatiliss Semi-Volatiliss Desticides: Out of 48 poutside of OC limits Pesticides: Out of 68 poutside of OC limits									
CF CCNTRACT REQUIRED QC LIMITS Semi-Volatiless Of CCNTRACT REQUIRED QC LIMITS Semi-Volatiless Desticidess Of CCNTRACT REQUIRED QC Limits Semi-Volatiless Of CCNTRACT REQUIRED QC Limits Semi-Volatiless Of CCNTRACT REQUIRED QC Limits									
CF CONTRACT REQUIRED OC LIMITS Semi-Volatiless Semi-Volatiless Out of 48 1 outside of OC limits Semi-Volatiless Out of 6 1 outside of OC limits Pesticides: Out of 6 1 outside of OC limits									
CF CONTRACT REQUIRED QC LIMITS Semi-Volatiliss: Out of 48 1 outside of QC limits Semi-Volatiless: Out of 68 1 outside of QC limits Pesticides: Out of 68 1 outside of QC limits									
CF CONTRACT REQUIRED QC LIMITS Semi-Volatiliss: Semi-Volatiliss: Pesticides: Out of #8 1 outside of QC limits Pesticides: Out of 6 1 outside of QC limits									
CF CONTRACT REQUIRED QC LIMITS Volatiliss: Semi-Volatiliss: Pesticides: Out of 48 1 outside of QC limits Pesticides: Out of 6 1 outside of QC limits									
CF CONTRACT REQUIRED QC LIMITS Semi-Volatiliss: Dout of 48 1 outside of QC limits Pesticides: Out of 6 1 outside of QC limits Pesticides:									
CF CONTRACT REQUIRED QC LIMITS Volatiliss Out of 10 outside of QC limits Semi-Volatiliss O out of 10 outside of QC limits Pesticides:									
CF CONTRACT REQUIRED QC LIMITS Semi-Volatiless C out of 48 1 outside of QC limits Semi-Volatiless C out of 48 1 outside of QC limits Pesticides: Out of 6 1 outside of QC limits									
Sema-Volatiless Cout of 13 Pesticides: O out of 6	VALUES ARE QUISIDE OF CONTRACT	r REQUIRED OC	LIMITS	Volatilins		T SA	outside of O	C Ilmits	
Corrnents:	ADVISORY LIMITS ONLY			Pesticides		2 2	outside of Q outside of Q	C limits	
	Comments:								

FORM II

SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Contract No.

Contractor

	ERV	ľ	T	T	T	T	T	T		T	-		Ī	-			T		T	T	T	T	T			Control of the contro	outside OC limits	Outside QC Ilmits					C	7.85 0	
	HPD F NEWSORM	52.177	82.137	E/L 172	43.136	62.163	30.50	31.15	28.63	35-142	41-173	28.104	17.10	20.03	25.107	23.103	11.114	48.127	8	74.137	7	42.139	23.134		1	Outskie	0utside	Outside							
	COL	2	24	5	-	2	15	10	-	38	25	23	1.00	355	3	100	3	13	15	43	33	\$5	50			out of 12.	70	<u>:</u>							
	2						15	1	24	17			12	25	3.	E	10								1	1 1		100 m							
	REC						67	62	43	3.3	184	5.7	ر د د	5.5	4 8	84	57								800	8/N 2		PEST							
	CCNC. ASD						: 300.	:305.	410.	620.	Srb.	1205.	2600.	2300.	2300.	2000.	1200.								Α. Υ.	•									
	¥€C						25	2	3.	35	23*	34	50	54	40	4)	24								RECOVERY										
	CONC.						1100.	1100.	780.	730.	410.	1000.	215	1709.	1200.	1500.	1000.																	FORW III	
	SAUPLE						0.0										*													2105			4200	5.5	
The second secon	CONC. SPIKE ADDED (ug/Kg)						2100.					>	4100.				4							rrs.	outside CC limits	outride CC limits	outside CC ilmits	Sounds OC HAILE		41	07/		12	4	
WATER COMMENTS OF THE PARTY OF		1.1-Okokski rethum	TrickNosthana	Chlorobenzens	Toluene	Senkene	1,2,4. Trichlorobonzeno	Acantifithans	7,4 Dinistratotuisa	ryisna	William Page Limber	energenerica.	Tantactor Company	7. (1.00. 15.	T. Carry Communication	- C.	4 Williams Act	210-260-6	Mary Bondor	ANGUER OF THE PROPERTY OF THE	Visiting.	Ending.	1616- 6-	ASTERISKED VALUES ARE OUTSIDE OC LIMITS.	:	ï	4	- car as carrie	20 >	Ш	11.0 × C + F3 0.7.1	Trough X 100 ingite	1 11		
THE PERSON NAMED IN COLUMN	ғаастісм	NOA	Swo	SAMPLE NO.				2/0	Ors	SAMPLE NO.	2-04	***************************************	ACID	0 mg	SARAPLE NO.	3-08		7237	S. C.	SASAPLE NO.				EMISKED VAL	- 1	•	ACIO		TOTAL SE	1		一年出			

7/85

BOIL MATHIX SPIKE/WATHIX SPIKE DUPLICATE NECOVENY

moof hilliogeny 38.107 28-104 25.102 50.172 60-133 861.69 35.142 11.11 63.137 41.173 28 50 11.103 28 60 33 3 S ÷ Contraot No. 5 AFC C CONC. MSD 17AS KNOXVille CONC. SAMPLE Medium Level Contractor CONC. SPIKE AUULU (144/Kg) h intrument a Nooylambu 4. Chiora-J Muthylphanol 1.7.4 Trichiorobentane 1.4 Dichimobensens 7.4 Unitedations Pentachloropheniol 1,1-Oktoberthens Vichky Gatheria Charabantena EGG 23609 7 Chlorephanel Aconspirituses 4 Hitrophanot COMPOUND Tolocos. Frences Pyrere SAMPLE NO. SAMPLE NO. SAUPLE HO. Cuse No. _ FRACTION Low Level 1000 1454 540 VOA 54.0 ACID SAO SEEO 77/82

*ASTERISKED VALUES ARE OUTSIDE OC LIMITS.

10:

960.

96.

820.

0

850.

Araclar 1960

SAMPLE NO.

VGA1 out of SA1N out of ACID out of SA1N o	
AFCOVEAY:	
outside OC limits outside OC limits outside OC limits outside OC limits	
VOA: out of; B/H out of; ACID aut ef; PEST out of;	FO 11 2:
RPD:	

eutikke OC Brate eutikke OC Brate eutikke OC Brate outside OC Brate

FORM III

METHOD BLANK SUMMARY

C238 No. 666- 13607	27 Region	lon	1	Contra	ctor 1.T	Contractor I.T.A.S Knexville	Contract No.			
711 10	DATE OF	WASCION	MATRIM	:3225:	MS1.10	CAL HUMBER	COMPOUNT (HSL. 71C OR UMENDERN)	CO#C.	6 113	28.5
BLKOTOWAI	1-9-87	BNI	ا'،مد	7	4023	1-46-48	DI-n-Buttlish Ralate	110j	11/6	310.
						101-21-41	Acatic Acid . 1-methyle thyl est.	7,000,5	I	1
						2-16-52	Hydroperoxide, 1,1- Dimethylethyl	14,000.7		1
						1-11-126	H-xan, 1,3, 4,- Fr ne 1471.	549.T		1
						4.41-1122	octans, 4-nellyl.	660.7		
						4-61-813.5	Heptone, 4 (1-methylethyl 1-	1200.]		
						2111-1115	e - Heptanol, Acatala	150.7		1
→ >	->	->-	->	->	_>	1-49-61007	2 (SH) - Falenore, S.S. Dimethyl -	\$20. 7	>	
MB1-13C 23789	116-01	Per t	Soil	يا م	V374013	J	none eletected	1	1	l
	1-10-87				=		h 11	1	1	
->	18-11-1	->	~~~	->	03700	1	1, 1,	١	١	1
			1							
Comments:										
									1	-
							والمراوية المراوية والمراوية			1094
						FORM IV				7/85

WATER SURROGATE - CRCENT RECOVERY SUBMARY

Contract Laboratory 1.T.A.S. - Knoxville

Caca Na E & 6.2354 f

- Contract No.

3
20100

METHOD BLANK SUMMARY

Confract Na.

Constant 1. T. A.S. - Knoxyllle

Care Na. EGG. 13541 Roglon

ŧ		_		7		,		•	-															
	8		1	1															Ī]		
	200	1/1/	1-															\dagger						
	corc.	29. 3	33.7	,																<u> </u>				
	COMPERSON INST. INC OR UNHANGEN	unknown - solwing artifict?	21538-77-0 Cyclohayanal, 4-chloro -, Trans-	ime detected									•		-									
	# DE ST.	1	1538.77.0	7		\dagger	+			+	+									-				
2	4500		ı	00750	-		+	+		-		-	-	1		-					-			
Come :	7	:	_	3			\dagger	\dagger	\dagger	\dagger	\dagger	+	+	\dashv	\dashv	\dashv	-}		-	+	\dashv			
MATRE	1	:	X 32 A	1			F					-	1	+	1	+	+				4			
7845700	8~4	:	Tes a	 		\vdash		 	\vdash	\vdash	T	+		+	+	+	$\frac{1}{1}$	+	+	-	-			
8412 OF 198	-	=	9 25-11-11						-				-	+		+	 	+	+	-	1			
1468	8LK062031 R	=	10111-8G62354B																		Corresponds:			
										l	90		ـــ مل	<u>ـــــ</u>	<u> </u>	1		1	1		ٽ ا	1	ĺ	1

7887 53

FORM N

WATER SURROGATE PENJENT RECOVERY SUMMARY Contract Laboratory 1.T.A.S. - Knoxville

Case No. EGG- 13610

... Contract No.

1		10 10 10 10 10 10 10 10	32			3 X X X	8	F - F1 UORO	16 how mat.				4 - 7 LUGBO -	7.4.6 FR:BROWD	State 1
10 10 10 10 10 10 10 10	## 12	1	¥ d	12 CK - 10	3	CTHAM - 04	60-3111190 11111111111111111111111111111111	Tan Jean	•			10 - 10 m	Pathol	og y	CH ON (100 1/6)
45 50 43 41 10 51 60 60 60 60 60 60 60 6	45 50 43 17 17 37 52 150 40 41 41 41 11 25 41 42 41 42 51 47 41 11 25 41 42 42 51 47 51 47 11 25 41 42 43 51 47 51 47 12 13 44 13 44 52 41 13 44 13 44 14 45 51 47 47 47 47 41 45 51 47 47 47 47 47 47 51 47 47 47 47 47 48 51 41 41 41 41 49 51 41 41 41 40 41 41 41 41 40 41 41 41 40 41 41 41 40 41 41 41 41 41 42 41 41 43 41 41 44 41 41 45 51 41 45 51 41 47 51 48 51 61 49 61 40 61 40 61 40 61 40 61 41 41 41 41 41 41 41 41	45 50 41 17 37 52 150 45 45 47 17 17 37 52 150 43 54 47 47 17 17 37 52 150 43 54 47 47 17 18 18 44 51 47 47 18 45 51 47 47 18 47 52 47 47 48 51 47 47 47 49 31 47 47 40 41 41 41 41 40 41 41 41 41 40 41 41 41 40 41 41 40 41 41 40 41 41 40 41 41 40 41 40 41 40 41 40 41 40 41 40 41 40 41 40 41 40 41 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40 40		\perp	(80.1.8)			2 3	1111111	1	,			3.0	90
1	1	45 45 47 10 51 50 71 10 51 51 52 70 70 70 70 70 70 70 7	Aches Gon				2	1		-		1.6			0
10 10 10 10 10 10 10 10	45 48 47 10 51 60 67 40 41 41 11 26 43 67 41 42 51 47 11 26 43 67 42 51 47 11 26 43 67 43 52 42 11 26 43 67 44 52 42 11 26 43 67 45 52 42 11 26 47 33 46 78 49 34 78 40 78 78 40 78 78 41 78 78 42 78 78 43 46 78 44 78 78 45 78 78 46 78 78 47 78 48 78 49 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78 40 78	45 48 47 10 51 60 65 49 41 41 11 26 43 65 49 51 44 11 26 44 65 49 51 44 11 12 49 52 44 11 41 52 44 11 42 52 44 11 43 54 44 11 44 52 44 11 45 53 45 11 46 7 7 7 47 7 7 49 7 7 40 7 7 40 7 7 41 7 7 42 7 7 43 7 7 44 7 7 45 7 7 46 7 47 7 49 7 40 7 40 7 41 7 41 7 42 7 43 7 44 7 45 7 45 7 47 7 47 7 48 7 49 7 40 7 40 7 40 7 41 7 42 7 43 7 44 7 45 7 44 7 45 7 45 7 46 7 47 7 47 7 48 7 49 7 40 7 40 7 41 7 41 7 42 7 43 7 44 7 44 7 45 7 47 7 47 7 47 7 48 7 49 7 40 7 40 7 41 7 41 7 42 7 43 7 44 7 45 7 44 7 45 7 45 7 46 7 47 7 47 7 48 7 48 7 49 7 40 7 40 7 40 7 41 7 41 7 42 7 43 7 44 7 44 7 45 7 46 7 47 7 47 7 48 7 48 7 49 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40 7 40	ENTS				215	20	43			7	- 1	- 5.2	00/
40 47 42 11 26 43 8 5 43 54 44 15 15 15 15 44 51 47 15 15 15 45 52 47 15 15 47 15 47 47 47 47 15 47 47 47 47 15 47 47 47 47 15 47 47 47 47 15 47 47 47 47 15 47 47 47 47 15 47 47 47 47 15 47 47 47 47 15 47 47 47 47 47 48 47 47 47 47 49 47 47 47 40 47 47 47 47 40 47 47 47 40 47 47 47 41 47 47 42 47 47 43 47 47 44 47 47 45 47 47 47 47 47 47 47	## ## ## ## ## ## ## ## ## ## ## ## ##	10 26 43 42 13 14 15 15 15 15 15 15 15	71N E				45	7.5	77			0/	- 1	00	4
39 54 51 14 33 46 73 43 52 41 15 15 43 87 37 52 42 15 15 49 19 37 52 42 10 37 52 42 10 48 35 43 87 49 49 49 40 49 49 49 40 49 49 40 49 49 40 49 49 40 40 40 40 40 40 40 40	## 51	14 33 44 75 75 75 75 75 75 75	Potu				40	47	7.4			11		43	85
43 57 48 29 49 40 46 49 40 40 40 40 40 40 40 40 40 40 40 40 40	## 57 44	#\$ \$1 \\ #\sqrt{9}	CW				39	54	15			61	33	2.5	7,3 *
## 45 53 45 18 45 18 46 31 46 31 31 31 31 31 31 31 31 31 31 31 31 31	# 15	15 17 18 19 18 19 18 19 19 19	181				4.3	5.2	15			15	35	43	87
### 152 49 39 39 39 39 39 39 39 39 39 39 39 39 39	## CONTRACT REQUIRED OC LIMITS Semi-Volatiless	## 152 42	CHIEL MA	6			34	53	34			2.7	\$\$	46	١
F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Pesticides: Dout of 48; outside of OC limits Pesticides: 1 out of 8; outside of OC limits	F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Dout of 48 ; outside of OC limits Pesticides: Dout of 48 ; outside of OC limits Pesticides: Dout of 8 ; outside of OC limits	F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Dout of HB; outside of OC limits Pesticides: Dout of B; outside of OC limits Pesticides: Dout of B; outside of OC limits	WBINE				34	2.5	42			15	64		١
F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Desticides: Dout of 48; outside of OC limits Pesticides: Dout of -8; outside of OC limits	F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Desticides: Desticide	F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Semi-Volatiles: Semi-Volatiles: Desticides: 1 out of 48; outside of OC limits Pesticides: 1 out of 8; outside of OC limits	27.				1		1			1	1		100
F CONTRACT REQUIRED OC LIMITS Volatiles: Semi-Volatiles: Dout of HB; Pesticides: 1 out of B;	F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Semi-Volatiles: Dout of 48 Pesticides: 1 out of 8	F CCMTRACT REQUIRED OC LIMITS Volatiles: Dout of 48 ; Pesticides: 1 out of 8 ;	(P14)				1	1				į	Ì	1	2
F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Pesticides: 1 out of 8	F CONTRACT REQUIRED OC LIMITS Volatiles: Semi-Volatiles: Pesticides: Dout of HB; Pesticides: 1 out of B;	F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Pesticides: 1 out of 48 i													
F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Semi-Volatiles: Dout of HB: Pesticides: 1 out of B:	F CONTRACT REQUIRED OC LIMITS Volatiles: Semi-Volatiles: Pesticides: Dout of HB; Pesticides: 1 out of B;	F CONTRACT REQUIRED OC LIMITS Volatiles: Semi-Volatiles: Desticides:													
F CONTRACT REQUIRED OC LIMITS Volatiles: D out of HB; Pesticides: 1 out of B;	F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Semi-Volatiles: Dout of 48 Pesticides: 1 out of 8	F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Dout of 48; Pesticides: 1 out of 8;													
F CONTRACT REQUIRED OC LIMITS Volatiles: D out of HB; Pesticides: 1 out of HB;	F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Pesticides: Pesticides	F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Pesticides: 1 out of 8													
F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Pesticides: Pesticides: Pesticides: Pout of 48;	F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Pesticides: 1 out of 48 in the semi-volatiles: Pesticides: 1 out of 8 in the semi-volatiles: Pesticides: Pesticid	F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Pesticides: 1 out of 8													
F CONTRACT REQUIRED OC LIMITS Volatiles: D out of HB; Pesticides: 1 out of HB;	F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Pesticides: 1 out of 48 Pesticides: 1 out of 8	F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: D out of 48 in the semi-Volatiles: D out of 8 in the semi-Volatiles in the semi-Volat								-					
F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Desticides: Desticide	F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Desticides: Pesticides: 1 out of 8	F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Pesticides: 1 out of 8 :													
F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Desticides: Desticides: Pesticides: Desticides: Desticide	F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Pesticides: 1 out of 48 in the semi-volatiles in the semi-vol	F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Pesticides: 1 out of 8													
F CONTRACT REQUIRED OC LIMITS Volatiles: D out of 48 Pesticides: 1 out of 8	F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Pesticides: 1 out of 48 in the semi-volatiles in the semi-vol	F CONTRACT REQUIRED OC LIMITS Volatiles: D out of 48 provides: 1 out of 8 provides: 1 out of 1 provides: 1 p													
F CONTRACT REQUIRED OC LIMITS Volatiles: D out of 48 Pesticides: 1 out of 8	F CONTRACT REQUIRED OC LIMITS Volatiles: D out of 48 ; Pesticides: 1 out of 8 ;	F CONTRACT REQUIRED OC LIMITS Volatiles: D out of 48 ; Pesticides: 1 out of 8 ;													
F CONTRACT REQUIRED OC LIMITS Volatiles: D out of 48 Pesticides: 1 out of 8	F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Pesticides: 1 out of 48 in the semi-volatiles in the semi-vol	F CONTRACT REQUIRED OC LIMITS Volatiles: 0 out of 48 presticides: 1 out of 8 presticides: 1 out of 1 presticides: 1 presticides: 1 out of 1 presticides: 1 pres													
F CONTRACT REQUIRED OC LIMITS Volatiles: 0 out of 48 presticides: 1 out of 8 presticides: 1 out of 1 presticides: 1 pres	F CONTRACT REQUIRED OC LIMITS Semi-Volatiles: Pesticides: 1 out of 48 in the semi-volatiles: Pesticides: 1 out of 8 in the semi-volatiles: Pesticides: 1 out of 8 in the semi-volatiles: Pesticides: 1 out of 8 in the semi-volatiles:	F CONTRACT REQUIRED OC LIMITS Volatiles: D out of 48 ; Pesticides: 1 out of 8 ;													
F CONTRACT REQUIRED OC LIMITS Volatiles: D out of 48 ; Pesticides: 1 out of 8 ;	F CONTRACT REQUIRED OC LIMITS Volatiles: D out of 48 ; Pesticides: 1 out of 8 ;	F CONTRACT REQUIRED OC LIMITS Volatiles: D out of 48 ; Pesticides: 1 out of 8 ;													
F CONTRACT REQUIRED OC LIMITS Volatiles: 0 out of 48 i	F CONTRACT REQUIRED OC LIMITS Volatiles: 0 out of 48 Pesticides: 1 out of 8	F CONTRACT REQUIRED OC LIMITS Volatiles: D out of 48 Pesticides: 1 out of 8 Pesticides: 1 out of 8													
F CONTRACT REQUIRED OC LIMITS Volatiles: 0 out of 48 Pesticides: 1 out of 8	F CONTRACT REQUIRED OC LIMITS Volatiles: 0 out of 48 Pesticides: 1 out of 8	F CONTRACT REQUIRED OC LIMITS Volatiles: D out of 48 Pesticides: 1 out of 8													
F CONTRACT REQUIRED OC LIMITS Volatiles: 0 out of 48; Semi-Volatiles: 0 out of 48; Pesticides: 1 out of 8;	F CONTRACT REQUIRED OC LIMITS Volatiles: 0 out of 48; Semi-Volatiles: 0 out of 48; Pesticides: 1 out of 8;	F CONTRACT REQUIRED OC LIMITS Volatiles: 0 out of 48; Resticides: 1 out of 8;													
Semi-Volatiles: D out of 48; Pesticides: 1 out of 8;	Semi-Volatiles: D out of 48; Pesticides: 1 out of 8;	Semi-Volatiles: D out of 48; Pesticides: 1 out of 8;	S VALUES	ARE CUTSID	E OF CONT	RACT REOUII	RED OC LIM	HTS	Volet	iles:	ont o		outside of C	C limits	
Pesticides: 1 out of 0	Pesticides: 1 out of 0	Pesticides: 1 out of 0	* * ADVISOR	Y LIMITS ON	٠.				Semi	-Volatiles:	1	48	outside of C	C limits	
Commants:	Commants:	Commants:							Pesti	cides:	ont o	0	outside of C	C limits	
			Commen	18:											

0001

FORM II

WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECAVERY

ITAS-KNOXVITLE

Contractor

EGG 13610

Cass No.

Contract No.

1. Dichloroschane	FRACTION	сомроимо	CONC. SPIKE ADDED (19/L)	SAMPLE	CONC.	REC	CONC.	REC	RPD	Ungadu	RPO F KECOSERY
	i	1,1-Dichlorouthane								4	G1 13E
Stand Stan	~- `^	Tricitarionitario								-	11.130
State Stat									-	5	75.130
State Stat		Tolcena								-	78.125
Sidestrates		Bentroc									78.131
10 55 110 110 55 110 110 55 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110		1,2,4. Enchlorobenzena	200.	0.0	.98	3	95.	84	10	28	39.08
1916 1916 1917 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918 1918	1	Acensphiking			110.	25	110.	35	0.0	ē	48.118
Discriptions		2,4 Diminataluene			75.	38	92.	46	35.	ج	24.98
District pylatinis	1	Necra			÷	547	98.	545	9.6	-	20.127
100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100		4-foureso-Dim-Frepylamina			-3.5	24	61.	31	24	38	\$1.116
130 30 500 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100		1,4. Dichlorobearens	Ą		82.	14	. %	24	16	28	36.97
150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150. 150.	1	Pentschloroohanoi	400.		120.	30	₹00.	οċ	20	205	9.107
150. 36 160. 3 160. 3 160. 3 160. 3 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160. 160.		Phinol			62.	2	74.	61	31	42	12.89
and the state of t		2 Catarophenal			150.	3.6	150.	45	31	0.7	27.123
OUTSIDE QC LIMITS. Dutide QC limits RECOVERY: Supplied QC limits RECOVERY: Supplied QC limits Supplie	_	4. Chero. 3. klathyiphenol			S.B.	* 5.	100.	2.5	53 x	23	23.97
OUTSIDE QC LIMITS. Outside QC limits RECOVERY:	1	4-Nicrophenal	>	>	63	17	34.	ľ	63.4	50	10.50
OUTSIDE QC LIMITS. Outside QC limits RECOVERY:		Lindane								35	58-123
OUTSIDE OC LIMITS. i outside OC limits i outside OC limits i outside OC limits i outside OC limits	L	Heptachlor								20	40-131
OUTSIDE OC LIMITS. i outside OC limits i outside OC limits i outside OC limits i outside OC limits	i_	Aldrin								22	40.120
OUTSIDE OC LIMITS. outside OC limits b outside OC limits c outside OC limits E outside OC limits	ᆜ.	Dieldrin								18	52.128
OUTSIDE OC LIMITS. outside OC limits b outside OC limits c outside OC limits		Endrin								21	56-121
OUTSIDE OC LIMITS. outside OC limits b outside OC limits S outside OC limits		4,4.00T								27	38-127
VOAs out of a outside OC limits B/N	ERISKED VALU	RES ARE OUTSIDE OC LI	MITS.								
2 out of 2 outside QC limits	VOAs B/N	4	side OC Hmits side OC Hmite	-		RECOVE	RY:	VOAs B/N	VOAs out of		outside OC limits outside OC limits
out of outside OC limits	4	ijij	side QC limits side QC limits		•			ACID_A	ACID & out of 10	9	outside OC limits

J. Cal X 50 m/1-1 = 700 mg/L 53 Consments: For

0002

FORM IS 7/60 43/11 24/00 10/12 2.0 ml fish

7/85

WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Contract No. _

Contractor ITAS-Knoxville

2360

F66

								_	_	_	,			_		_		_	_	_	_				
HPO THEESTOFAY	81-145	71.130	76.130	78-125	78-177	39-88	48-118	24.96	23.127	41.116	36.97	9.103	12.89	27.123	23.07	10.80									outside OC limits outside OC limits
The Co	14	14	13	13	11	28	15	38	-	3.8	78	50	42	40	42	50	Ì								
RPC																		1			V	5.			8/N out of ACID out of
REC																		1		/		110.			NOA!
CONC.																						.01 م		;	.: ::
REC																			X			96.		; ;	RECOVERY:
CONC.																						180.			
SAMPLE RESULT																						0			
CONC. SPIKE ADDED (19/L)																						200.	MITS.		outside OC limits outside OC limits outside OC limits
Correction	1,1-Dicharaman	Volutishingettinger	Chlurobonique	Tolugae	Banzene	1,7,4 Trichborobentene	Acenaph, hons	2,4 Dunitabilism	Pyrona	34. William Charton Bragge bearing	f,4-Dighlorobantana	Partiachlorophanal	Pirenica	1. Thursphenot	4 Chara-3 Butterfylighmost	4-Misrephand						Broclor 1260	, ASTERISKED VALUES ARE OUTSIDE OC LIMITS.		Cut of out
FRACTION	VOA	220	CAN FIGURE		-		.s.	ons	SAMPLE NO.			Civa	3 5	2			1	PEST		KARTER NG.	, , ,	mion-	ENISKED VAL		8/W 8/W ACID —

0003

Community.

7/85

WETHOD BLANK SUMMARY

Contract No.

Contractor 1.T.A.S. - Knoxville

Cass No. EGG 13610 Region.

rat m	341£ 04 444£ \$\$13	PRACTION	WATAIR	:325 :20 :20 :20 :20 :20 :20 :20 :20 :20 :20	m3f. 10	CAS HUMBER	COMPOUND (HSL. JIC OR UNRHORN)	COMC.	S 1 1 2	24.0
864083181	19-(1-1)	BNA	Water	7	4500	i	NONE '		2/1	1
MB1-EGG 23610	1-9-87	PESF	WATER LOW		USTHORS	ł	none Detected	ı	١	
-	1-11-87	=	1.		43700	ì	none de tectéci	,	1	;
Corattenta:										
										00
										1
					-					

2/85

FORM IV

2

Organics Analysis Data Sheet (Page 1)

Lab Sample Sample Ma	Name: 17AS — KNOXU ID No: BLK 06 ZO B trix: WATER se Authorized By: W.T. Concents	Uilan Volatile Co	QC Report No: Contract No: Data Sample ompounds Medium (Cir	(AWALY	-96 LATILE
CAS Number	Date And Conc/Di Percent i	alyzed: I Factor: Moisture: (Not De ug/1 or ug/Kg (Circle One)	NA NA pH reanted) CAS Number) SAMPL	sted this e avm bef ug/lorug/K (Circle One
74-87-3	Chloromethane	NA NA	78-87-5	11, 2-Dichioropropane	NA.
74-83-9	Bromomethane	 	10051-02-6	Trans-1, 3-Dichloropropene	
	1 Minual Catagoria		79-01-8	Trichlorogineng	
75-01-4	Vinyl Chloride				
75-00-3	Chlorostnane		124-49-1	Dibromochloromethane	
75-00-3 75-09-2	Chlorosthane Mathylane Chlorida		124-49-1 79-00-5	Dibromochloromethane 1, 1, 2-Trichloroethane	
75-00-3 75-09-2 67-64-1	Chloroethane Methylene Chloride Acetone		124-49-1 79-00-5 71-43-2	Dibromochloromemane 1, 1, 2-Trichloroethane 8enzene	
75-00-3 75-09-2 67-64-1 75-15-0	Chloroethane Methylene Chloride Acetone Carbon Oraulfide		124-48-1 79-00-5 71-43-2 10081-01-5	Dibromochloromethane 1, 1, 2-Trichloroethane Benzene cis-1, 3-Oichloroorooene	
75-00-3 75-09-2 67-64-1 75-15-0 75-35-4	Chloroethane Methylene Chloride Acetone Carbon Disulfide 1, 1-Dichlorosthane		124-48-1 79-00-5 71-43-2 10081-01-5 110-75-8	Dibromochloromethane 1, 1, 2-Trichloroethane 8enzene cis-1, 3-Oichloroorooene 2-Chloroethylyinylether	
75-00-3 75-09-2 67-64-1 75-15-0 75-35-4 75-34-3	Chloroethane Methylene Chloride Acetone Carbon Disulfide 1, 1-Dichloroethane 1, 1-Oichloroethane		124.48-1 79-00-5 71-43-2 10081-01-5 110-75-8 75-25-2	Dibromochloromethane 1, 1, 2-Trichloroethane 8enzene cis-1, 3-Oichlorooroosne 2-Chloroethylyinylether Bromoform	
75-00-3 75-09-2 67-84-1 75-15-0 75-35-4 75-34-3 156-60-5	Chloroethane Methylene Chloride Acetone Carbon Oraulfide 1, 1-Dichloroethane 1, 1-Oichloroethane Trans-1, 2-Oichloroethane		124.48-1 79-00-5 71-43-2 10081-01-5 110-75-8 75-25-2 108-10-1	Dibromochloromethane 1, 1, 2-Trichloroethane 8-enzene cis-1, 3-Oichlorooropene 2-Chloroethylyinylether Bromoform 4-Methyl-2-Pentanone	
75-00-3 75-09-2 67-64-1 75-15-0 75-35-4 75-34-3 156-60-5 67-86-3	Chloroethane Methylene Chloride Acetone Carbon Disulfide 1, 1-Dichloroethane 1, 1-Oichloroethane Trans-1, 2-Oichloroethane Chloroform		124-48-1 79-00-5 71-43-2 10081-01-5 110-75-8 75-25-2 108-10-1 591-78-6	Dibromochloromethane 1, 1, 2-Trichloroethane 8-enzene cis-1, 3-Oichlorooropene 2-Chloroethylyinylethar Bromoform 4-Methyl-2-Pentanone 2-Hexanone	
75-00-3 75-09-2 67-64-1 75-15-0 75-35-4 75-34-3 156-60-5 67-86-3 107-06-2	Chlorbethane Methylene Chloride Acatone Carbon Orsulfide 1, 1-Dichlorbethane 1, 1-Oichlorbethane Trans-1, 2-Oichlorbethane Chloroform 1, 2-Oichlorbethane		124.48-1 79-00-5 71-43-2 10081-01-5 110-75-8 75-25-2 108-10-1 591-78-5 127-18-4	Dibromochloromethane 1, 1, 2-Trichloroethane 8-nizine cis-1, 3-Oichlorooropene 2-Chloroethylyinylethar Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene	
75-00-3 75-09-2 67-84-1 75-15-0 75-35-4 75-34-3 156-60-5 67-86-3 107-08-2 78-93-3	Chlorbethane Methylene Chloride Acatone Carbon Orsulfide 1, 1-Dichlorbethane 1, 1-Oichlorbethane Trans-1, 2-Oichlorbethane Chloroform 1, 2-Oichlorbethane 2-Butanone		124.49.1 79-00.5 71-43.2 10081-01.5 110-75-8 75-25-2 108-10-1 591-78-8 127-18-4 79-34-5	Dibromochloromethane 1, 1, 2-Trichloroethane 8-nzene cis-1, 3-Dichlorooropene 2-Chloroethylyinylether Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1, 1, 2, 2-Tetrachloroethane	
75-00-3 75-09-2 67-64-1 75-15-0 75-35-4 75-34-3 156-60-5 67-86-3 107-08-2 78-93-3 71-55-6	Chlorbethane Methylene Chloride Acatone Carbon Orsulfide 1, 1-Dichlorbethane 1, 1-Oichlorbethane Trans-1, 2-Oichlorbethane Chloroform 1, 2-Oichlorbethane 2-Butanone 1, 1, 1-Trichlorbethane		124.48-1 79-00-5 71-43-2 10081-01-5 110-75-8 75-25-2 108-10-1 591-78-5 127-18-4	Dibromochloromethane 1, 1, 2-Trichloroethane Benzene cis-1, 3-Dichlorocropene 2-Chloroethylyinylether Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1, 1, 2, 2-Tetrachloroethane Toluene	
75-00-3 75-09-2 67-84-1 75-15-0 75-35-4 75-34-3 156-60-5 67-86-3 107-08-2 78-93-3 71-55-8 56-23-5	Chlorbethane Methylene Chloride Acatone Carbon Orsulfide 1, 1-Dichlorbethane 1, 1-Oichlorbethane Trans-1, 2-Dichlorbethane Chloroform 1, 2-Dichlorbethane 2-Butanone 1, 1, 1-Trichlorbethane Carbon Tetrachloride		124.48-1 79-00-5 71-43-2 10081-01-5 110-75-8 75-25-2 108-10-1 591-78-6 127-18-4 79-34-5 108-83-3	Dibromochloromethane 1, 1, 2-Trichloroethane Benzene cis-1, 3-Dichlorocropene 2-Chloroethylyinylether Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1, 1, 2, 2-Tetrachloroethane Toluene Chlorobenzene	
75-00-3 75-09-2 67-64-1 75-15-0 75-35-4 75-34-3 156-60-5 67-86-3 107-08-2 78-93-3 71-55-6	Chlorbethane Methylene Chloride Acatone Carbon Orsulfide 1, 1-Dichlorbethane 1, 1-Oichlorbethane Trans-1, 2-Oichlorbethane Chloroform 1, 2-Oichlorbethane 2-Butanone 1, 1, 1-Trichlorbethane		124.48-1 79-00-5 71-43-2 10081-01-5 110-75-8 75-25-2 108-10-1 531-78-6 127-18-4 79-34-5 108-83-3 103-90-7	Dibromochloromethane 1, 1, 2-Trichloroethane Benzene cis-1, 3-Dichlorocropene 2-Chloroethylyinylether Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1, 1, 2, 2-Tetrachloroethane Toluene	

For reporting reducts to EPA, the Instanting results autoinfairs are used, Assistantial Regiz or Institution exclusioning require are constantinged. However, the desirences of each Reg. must be explicit.

Value	If the result is a value greater than or equal to the detection limb	۸.
	report the value	

- Usehouse compound was protyped for that not detected. Resert the partitional process of the partition to the process with the U let g., I OU) bound an necessary concentration? Identify a let us. (The is not not not not the mathematical transmission detection from the mathematical detection from the mathematical contribution of the high residence of the mathematical transmission attention detection from the service of the mathematical detection and detection from the service.
- I Indicates an elemental value. This flag is used either when estimating a concentration for temperature identified composation where a 1.1 response is assumed or which the mess spectral data indicated the presence of a compound the meets the international criteria but the result is less than the spectral temperature data the result is less than the spectral desection lend but greater than zero (a.g., 10.2). If hims of dissoction is 10 ug/l and a concentration of 3 ug/l is discussed, report as 3.3.
- C This Rise requires to president per aminers where the identification incobook continued by GC-MS. Single introduction poststeen \$10 regular this titled general breaks be confirmed by GC-MS.
- 8 This flag is used when the analyse is found in the stant as well as a sample. It inchesing peoplete: problems being contamination and warns the data visit to time interest and oction.

Other streeth flags and hermose may be recovered to a security define the results. If wood, they must be fully described and footh described and soon described in the date is unformed to streeth as the date is unformed.

Form I	
--------	--

Laboratory Name	ITAS-KNOXVIILE
Case No.	EGG 23548

Sample Number
Method Blank

212

Organics Analysis Data Shoot (Page 2)

Semivolatile Compounds

Concentration: (DW)	Medium (Circle One)		
Data Extracted / Prepared	12-12-86		
Date Analyzed:	1-18-87		
Conc/Dil Factor:	1.0 L / 2.0 ml		
Percent Moisture (Decan	ted) NA		

GPC Cleanup Tyes SNo
Separatory Funnel Extraction Stres

Continuous Liquid - Liquid Extraction EYesNA

108-95-2	CAS Number		gX\gu rd[\gu enO eloriD]
95-57-8 2-Chlorophenol	108-95-2	Phenol	10.U
105-46-7	111-44-4	bisi-2-ChlorosthyllEther	
105-48-7	95-57-8	2-Chlorophenol	
100-51-6 3enzyl Alconol 95-50-1 1 2-Dichloropenzene 95-48-7 2-Methylphenol 39638-32-9 bis(2-chloroisopropyl)Ether 106-44-5 4-Methylphenol	541-73-1	1 3-Dichlorobenzana	
95-50-1 1 2-Oichloropenzene 95-48-7 2-Methylphenol 39638-32-9 bis(2-chloroisoprobyl)氏(ner 106-44-5 4-Methylphenol 106-44-5 4-Methylphenol 106-44-7 N-Nitroso-Di-n-Probylamine 107-72-1 Hexachioroethane 108-89-95-3 Nitrobenzene 108-89-95-3 Nitrobenzene 108-89-95-3 Nitrobenzene 105-67-9 2-4-Dimethylphenol 105-67-9 2-4-Dimethylphenol 105-67-9 2-4-Dimethylphenol 107-89-95-95-95-95-95-95-95-95-95-95-95-95-95	105-46-7	1 4-Dichlorabenzene	
95-48-7 2-Methylphenol 39638-32-9 bis/2-chloroisopropyli6;har 106-44-5 4-Methylphenol 621-84-7 N-Nitroso-Di-n-Propylamina 67-72-1 Hexachiorostnane 93-95-3 Nitroparane 93-95-3 Nitroparane 93-95-1 Isophorona 93-75-5 2-Nitrophenol 93-75-5 2-Nitrophenol 93-75-5 2-Nitrophenol 95-85-0 3enzoic Acid 90-40 111-91-1 bis/-2-ChloroethoxylMathana 10-40 120-83-2 2-4-Dichlorophenol 120-83-2 2-4-Dichlorophenol 120-32-1 1-2-4-Trichlorobanzane 91-20-3 Naphthaliane 91-20-3 Naphthaliane 91-20-3 Naphthaliane 91-57-6 2-Methylphenol 91-57-6 91-57-6 2-Methylphenol 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6	100-51-5	Benzyl Alconol	
39638-32-9 bis/2-chloroisparrocy/!6ther 106-44-5 4-Methylohenol	95-50-1	1 2-Dichlorppanzene	
106-44-5	95-48-7	2-Methylphanol	
621-84-7 N-Nitroso-Oi-n-Procylamine 67-72-1 Mexachiorostnane 98-95-3 Nitrocenzane 78-59-1 Isophorone 83-75-5 2-Nitrophenol 105-67-9 2-4-Dimethylphenol 65-85-0 Benzoic Acid 111-91-1 bist-2-ChiorosthoxylMethane 10-41-1	39638-32-9	bis(2-chloroisopropyl)Ethar	
67-72-1 Hexachiorostrane 98-95-3 Nitropargane 78-59-1 Isophorone 93-75-5 2-Nitrophenol 105-67-9 2. 4-Dimethylphenol 55-85-0 Benzoic Acid Solid 111-91-1 bisi-2-ChiorostroxylMethane 120-83-2 2. 4-DichiorostroxylMethane 120-32-1 1. 2. 4-Trichiorostrane 31-20-3 Nephthalane 105-47-8 4-Chiorostriane 37-63-3 Hexachiorostrophenol 37-63-3 Hexachiorostrophenol 91-57-6 2-Methylphenol 91-57-6 2-Methylphenol 93-05-2 2. 4. 5-Trichiorostrophenol 93-05-2 2. 4. 5-Trichiorostrophenol 93-35-3 2-Chiorostrophenol 93-35-3 2-Chiorostrophenol 93-35-7 2-Chiorostrophenol 93-31-11-3 0imethyl Phihalate 10-14	106-44-5	4-Methylphenol	
98-95-3 Nitroperane	621-84-7	N-Narosa-Di-n-Propylamine	
78-59-1 Isophorone	67-72-1	Hexachiorostnane	
88-75-5 2-Nitrophenol	98.95.3	Nitropenzane	
105-67-9 2. 4-Dimethylphenol V 65-85-0 3enzoic Azid SO iu 111-91-1 bist-2-ChiorcethoxylMethanel IO iu 120-83-2 2. 4-Dichlorophenol 120-32-1 1. 2. 4-Trichloropenzene 31-20-3 Nephthalaree IOS-47-8 4-Chiorophiline 37-68-3 Hazachlezobutadiene 37-68-3 Hazachlezobutadiene 39-59-7 4-Chioro-3-Methylphenol 39-59-6 2. Methylphenol 29-59-6 2. 4. 6-Trichlorophenol V 35-35-4 2. 4. 5-Trichlorophenol SO iu 91-53-7 2-Chioropanninelene IO iu 10-3-74-4 10-3-74-4 2-Methylphenol SO iu 131-11-3 Dimethyl Phihalate IO iu 10-3-74-4 2-Methylphenol SO iu 131-11-3 Dimethyl Phihalate IO iu 10-3-74-4 10-3-74-4 2-Methylphenol SO iu 131-11-3 Dimethyl Phihalate IO iu 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-74-4 10-3-7	78-59-1	Isophorone	1
65-85-0 Benzoic Acid Solu 111-91-1 bisi-2-Chiorcethoxy Methane IO. U 120-83-2 2. 4-Oichiorcethoxy Methane IO. U 120-83-1 1. 2. 4-Trichiorcethoxy Methane IO. U 120-32-1 1. 2. 4-Trichiorcethoxy Methane IO. U 31-20-3 Rephthalene IO. U 31-20-3 Rephthalene IO. U 31-20-3 Rephthalene IO. U 31-20-3 Rephthalene IO. U 31-58-3 Repair Rephthalene IO. U 31-59-6 2. Methydnephthalene IO. U 31-57-6 2. Methydnephthalene IO. U 35-35-4 2. 4. 5-Trichiorcethenol V 35-35-4 2. 4. 5-Trichiorcethenol SO. U 31-53-7 2. Chiorcethene IO. U 88-74-4 2. Methydnephthalene IO. U 131-11-3 Olimethy Phihalene IO. U 131-11-3 Olimethy Phihalene IO. U	83-75-5	2-Nitrophenol	
111-91-1 bisi-2-ChiorcetnoxyMethane O.U. 120-83-2 2, 4-Dichlorophenol 120-83-2 1, 2, 4-Trichlorophenol 120-32-1 1, 2, 4-Trichlorophenol 31-20-3 Nephthalene 106-47-8 4-Chiorophenol 37-68-3 Hexachlorophenol 37-68-3 Hexachlorophenol 39-50-7 4-Chiorophenol 91-57-6 2-Methylophenol 39-05-2 2, 4, 6-Trichlorophenol 39-05-2 2, 4, 6-Trichlorophenol 39-05-3 2-Chiorophenol 39-05-4 2, 4-5-Trichlorophenol 39-05-4 2, 4-5-Trichlorophenol 39-05-4 2, 4-5-Trichlorophenol 39-05-1 2-Chiorophenol 39-05-2 2, 4, 6-Trichlorophenol 39-05-1 2-Chiorophenol 39-05-1 3-7 39-05-1 3-7 3-7 39-05-1 3-7 39-05-1 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-2 30-05-1 39-05-3 30-05-1 39-05-3 30-05-1 39-05-3 30-05-1 39-05-3 30-05-1 39-05-3 30-05-1 39-05-3 30-05-1 39-05-3 30-05-1 39-05-3 30-05-1 39-05-3 30-05-1 39-05-3 30-05-1 39-05-3 30-05-1 39-05-3 30-05-1 39-05-3 30-05-1 39-05-3 30-05-1 39-05-3 30-05-1 39-	105-67-9	2, 4-Dimethylphenol	V
120-83-2 2, 4-Dichlorophenol	65-85-0	Banzoic Azid	50.4
120-32-1 1, 2, 4-Trichlorobanzane 31-20-3 Naphthalane	111-91-1	bisi-2-Chioroethoxy:Methane	10.u
31-20-3 Nephthalane	120-83-2	2, 4-Dichlarcahanol	
106-47-8	120-32-1	1, 2, 4-Trichiorobenzene	
37-63-3 Higgsenterobutadiene	91-20-3	Neonthalana	
53-50-7	705-47-8	4-Chlorpaniline	
91-57-8 2-Methylnschthalana	The state of the s	Haxachlorobutadiana	
77-47-4 Presentoroproteopentatione	CANADA AND AND ADDRESS OF THE PERSON OF THE	4-Chioro-3-Methylohanol	
88-05-2 2. 4. 6-Trichlorophenol V 35-35-4 2. 4. 5-Trichlorophenol 5.0-4 91-53-7 2-Chloropaonthelane 10. 4 88-74-4 2-Nitroaniling 50-4 131-11-3 Dimetryl Phthalate 10. 4	THE REPORT OF THE PARTY OF THE	2-Mathylogonthalana	
25-35-4 2, 4, 5-Trichloroupenol 50-u 91-53-7 2-Chloronaonthelane 10-u 88-74-4 2-Hitroaniling 57-u 131-11-3 Olimethyl Phthalate 10-u	77-47-4	Mesachiorochicoantsdiana	
21:53-7 2-Chloronaphthelane 10.以 83-74-4 2-Mitroaniling 5つ.以 137-11-3 Dimetry/ Phthalate 10.以	88-05-2	2, 4, 6-Trichlorephenol	\Y
E3-74-4 [2-Mitroaniling 573-4 131-11-3 Oimethyl Phinalais 10.44	35-35-4	2, 4, 5-Trightorophenol	50.u
131-11-3 Ormethyl Phihalata 10.44	91.53.7	2-Chlorenaphthelane	10.4
THE RESERVE OF THE PROPERTY OF	88.74-4	2-Nitroaniling	50.u
208-95-8 Acknoominviers 10-U	131-11-3	פופונחית אחזאייים Oimainal	10.4
	208-95-8	Acenzonthylene	10.4
99-09-2 3-Nitroaniline 50.W	99-09-2	3-Nitrosniline	50.U

CAS Number	•	ug/larug/Kg (Circle One
33-32-9	Acensorthene	10.u
51-29-5	2, 4-Dingrephenol	50.4
100-02-7	4-Nitrophenol	50.4
132-64-9	Dibanzoluran	10.u
121-14-2	2. 4-Dinitratoluene	
೮೧ ೮-20-2	2, 5-Dinitratoluene	
34-63-2	Digthylohthalate	
7005-72-3	4-Chlorophenvi-phenvietner	
88-73-7	Fluorene	¥
100-01-8	4-Nitroandine	50 U
534-52-1	4, 6-Dingro-2-Mathylphanol	50.u
83-30-6	N-Nitrasodianenviemine (1)	10.4
101-55-3	4-Bromophanyl-phenylether	
118-74-1	Mazachiorobanzana	ý
87-85-5	Pantachiorophenol	50.4
35-01-5	Phenanthrane	10.u
120-12-7	Anthracane	10.4
74-74-2	Oi-n-Survionthalate	. 10.4
203-44-0	Fluoranteena	10.4
123-00-0	Pyrana	
35-58-7	Survicent reprint State	V
21-34-1	3. 3'-Oichtorobanzidina	20.4
53-55-3	SenzelsMnthracane	10.4
117-31-7	Dist2-Sthylhesyll@minalete	
Q13-01-9	Chrysena	
117-34-0	Di-n-Octyl Phthalata	
₹05.99.2	danzetbirluorantnene	
207-63-9		
50-32-3	Jentora whrene ·	
193-39-5	(Indend1, 2, 3-cd)Prese	
33-70-3	Dibana, hlanthracana	
131-24-2	Banzolg h, i)Parviena	γ
一大大学 大学		

(1)-Cannot be experated from dishenylamike

Form I

7/85

9	1	4

Laboratory Name <u>ITAS Knoxyille</u>

Case No <u>EGG 33549</u>

Sample Number MB1- E&G 23548

Organics Analysis Data Sheet (Page 3)

Pesticide/PC3s

Concentration (Low Mediu	m (C:rcle One)	GPC Cleanup Clyes MNo
Date Extracted / Prepared:	=-12-50	Separatory Funnel Extraction XYes
Date Analyzed 12-IC	-80	Continuous Liquid - Liquid Extraction @Yes
Conc (Dil Factor)		
Percent Moisture (decanted)		

CAS Number		ug/lerug/Kg (Circle One)
319-84-6	Alpha-BHC	LNA
319-85-7	Beta-BHC	
319-86-8	Daite-BHC	
58.89.9	Gamma-BHC (Lindane)	
75-44 3	Hantschlor	
309.00.2	Aldrin	
1024-57-3	Maptachlor Époxide	
959-98-8	Endosulfan I	
&O-57-1	Dielarin	
72-55-9	A, 41-00E	
72-20-8	Endrin	
33213-85-9	Endosultan II	
72-54-8	4.4-000	
1031-07-8	Endosultan Sultate	
50-29-3	4 4'-00T	
72-43-5	Methoxychior	
53484-70-5	Endrin Katone	
37-74-9	Chlordane	1
巻〇〇1 - 35 - 2	Tosaphane	1.04
12874-11-2	Arector-1016	0.54
11104-23-2	Araster-1221	A.5U
11141-15-3	Aracior-1232	0.54
33449.21.9	Arector-1242	0. <u>5</u> u
12872-23-8	Aroctor-1243	0.5U
11037-39-1	Arector-1254	1.04
11038-32-5	Aracior-1250	1.04

V, . Volume of extract injected (ul)

Vg * Volume of water extracted (ml)

W_g = Weight of sample extracted (g)

Y₁ * Volume of total extract (ul)

v. 1000 ml aw. v. 10000 nl v. 3 ml

Sample Number Method blank L

Organics Analysis Data Sheet (Page 1)

00529

Laboratory Name:	ZTAS-Knozville	Case No: FGG 23	550
Lab Sample ID No:	BLK 0762 B1	QC Report No:	
Sample Matrix: Data Release Authoriz	red By: (b.7. hulan)	Contract No: Date Sample Received:	12-9-86
	Volatile	Compounds	
	Concentration: Low	Medium (Circle One)	
	Date Extracted/Prepare	ed: 4/tc	

ALA

NA

م.ه ' 🕶

Date Analyzed: __

Conc/Dil Factor: .

Percent Moisture: (Not Decanted) ...

CAS Number		ug/l or ug/Kg (Circle One
74-87-3	Chloromethane	NA
74-83-9	Bromomethane	
75-01-4	Vinvi Chloride	
75-00-3	Chloroethane	Ì
75-09-2	Methylena Chloride	
67-64-1	Acetona	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichloroethene	
75-34-3	1, 1-Dichloroethane	i
156-60-5	Trans-1, 2-Dichlorcethene	
67-65-3	Chloroform	
107-05-2	1, 2-Dichloroethane	
78-93-3	2-Sutanone	
71-55-6	1, 1, 1-Trichloroethane	I
56-23-5	Carpon Tetrachiorate	
108-05-4	Vinyl Acetate	
75-27-4	Bromodichloromathana	V

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	116
10061-02-6	Trans-1, 3-Dichloropropene	
79-01-6	Trichtoroethene	
124-48-1	Dibromochloromathane	
79-∞-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10061-01-5	cis-1, 3-Dichloropropene	
110-75-8	2-Chloroethylvinvlether	
75-25-2	Bromoform	
108-10-1	4-Methyl-2-Pentanone	
591-78-6	2-Hexanone	
127-18-4	Tetrachloroethene	
79-34-5	1, 1, 2, 2-Tetrachiorcethane	
103-88-3	Toluene	
108-90-7	Chlorobenzene	
100-41-4	Ethylbenzene	
100-42-5	Styrane	
	Total Xylenes	V

Data Resorting Qualifiers

For reporting results to EPA, the following results qualifiers are used Additional Regs or footnotes explaining results are encountiged. However, the defendent of each flog must be aspirod.

- Volum: If any result is a value greater than or equal to the deloction limit, report the value.
- U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U(a.g., 10U) based on necessary concernistion/dilution action. (This is not necessarily the instrument detection limit). The lootnote should read. U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
- J indicates an estimated value. This flag is used either when astimating a concentration for tentatively identified compounds where a 1-1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than the 19g (10J). If while of described is 10 µg (1 and a concentration of 3 µg (1) in calculated, report as 3 J.

THE RESERVE OF THE PROPERTY OF

- C This flag applies to pesticide parameters where the identification has been confirmed by GC MS. Single component pesticides ≥10 ng. ut in the final extract should be confirmed by GC AfS.
- This flag is used when the analyse is found in the blank 45 well os a sample. It indicates possible, wonable blank containmation, and worms the data user to take applicate action.
- Other Other specific flags and fournoises in ay be required to browerly defined the results. If used they must be fully described and such described alterned to the data summary report.

Laboratory Name	ITAS-KNOXVIlle
Cara Na	FC-C 13550

Sample Number

Method Blank

Organics Analysis Data Sheet (Page 2)

BLK0762B1

Semivolatile Compounds

00530

Concentration: Low	Medium (Circle One)	GPC Cleanup Clyes CENo
Date Extracted Prepared	12-31-86	Separatory Funnel Extraction EYes MA
Date Analyzed:	1-9-87	Continuous Liquid - Liquid Extraction (1948)
Conc/Dil Factor:O.C	30 /1.0 ml	No
Percent Moisture (Decante	d) <u>NA</u>	NO Drymn Factor (Assume = 1)

CAS Number		ug/I orug/Ko (Circle One)
108-95-2	Phenol	330. u.
111-44-4	bist-2-ChloroethvitEther	
95-57-8	2-Chlorophenol	
541-73-1	1 3-Dichtoropenzene	
106-45-7	1 4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1 2-Dichipropenzene	
95-48-7	2-Methylphens.	
39533-32-9	bist2-chloroisopropyllEther	The state of the s
105.44.5	4-Methylpheno	
621-64-7	N-Nitroso-Oi-n-Proovlamine	
67-72-1	Mexachioroethane	
98-95-3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitraphenai	
105-67-9	2, 4-Dimethylphenol	V
65-85-0	Benzoic Acid	1600.4
111.91-1	bist-2-ChloroethoxyiMethane	330.4
120-83-2	2, 4-Dichlarochenol	
120-82-1	1, 2, 4-Trichtorobenzane	
9:-20-3	Naonthaiene	
106-47-8	4-Chioroaniine	
87-68-3	Hexachlorobutadinne	
59-50-7	4-Chloro-3-Methylahenal	
91-57-6	2-Methylnaphthalene	
77-47-4	Hexachlorocyclopentadiene	
88-06-2	2, 4 6-Trichtorophanol	V
95 95.4	2, 4 5-Trichtorophenoi	1600.4
91-58-7	2-Chioronaonthaiane	330. u
88-74-4	2-Nitroaniline	16004
131-11-3	Ormethyl Phinalate	335.4
203-95-3	Acensonthylene	330.u
99.09 2	3-Nitroanitine	1600.4

CAS Number		ug/loug/Kg (Circle One)
83-32-9	Acenaphthene	330.4
51-28-5	2, 4-Dinitrophenoi	1600.4
100-02-7	4-Nitrophenol	1600.4
132-64-9	Dibenzofuran	330. u
121-14-2	2 4-Dinitratoluene	
605-20-2	2 6-Dinitrataluene	
84.66-2	Diethylphthalate	
7∞5-72-3	4-Chloropnenyl-phenylether	
36-73-7	Fluorene	V
100-01-6	4-Nitroaniline	1600.4
534-52-1	4, 6-Dinitro-2-Methylphenol	1600.K
85-30-6	N-Nitrosodiohenvlamine (1)	330.u
101-55-3	4-Bromophenyi-phenyiather	
118-74-1	Piexachioropenzane	¥
87-86-5	Pentachiorophenol	1600.4
85-01-8	Phenanthreng	335.4
120-12-7	Anthracene	\$30.U
84-74-2	Oi-n-Butylontnalate	73.丁
206-44-0	Fluoranthane	330.u
129-00-0	Pyrene	
95-68 7	Butyloantylonthalate	4
91-94-1	3. 3'-Dichlorobenzidine	460. U
53-55-3	Benzosananthracene	310. u
117-81-7	bi#2-Ethylnexyl)Phthalate	
218-01-9	Chrysene	
117-34-0	Di-n-Octyl Phinalate	
205-99-2	Sento(b)Fluoranthane	
207-0a-9	Benzakifiuoranthene	
50-32-8	Benzora/Pyrane	
193-39-5	Indenal 2, 3-cd)Pyrene	
53-70-3	Oibentia hiAnthracene	
191-24-2	Bantoig h ilPanlane	4

(1)-Cannot be separated from diphenylamina

Sample Number Method blank Z

Organics Analysis Data Sheet (Page 1)

Laboratory Name: TTAS - K	inesuille	Case No: FGG 23	550 550
Lab Sample ID No: BLK 06" Sample Matrix: Feed stack	(3 B)	QC Report No:	
Data Release Authorized By:	7. Wilm		12-9-86
	Volatile (Compounds	
Co	inceritration: Low	Medium (Circle One)	
Da	ite Extracted/Prepare	d: 4/A	
Da	ite Analyzed:		
Co	nc/Dil Factor:	HAIR	
Pe	rcent Moisture: (Not (Decanted) NB ~ 0.0	•

CAS Number		ug/l or ug/Kg (Circle One
74-87-3	Chloromethane	NA
74-83-9	Bromomethane	
75-01-4	Vinvi Chlaride	
75-00-3	Chloroethane	
75-09-2	Methylene Chloride	
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichloroethene	
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichtoroethene	
67-66-3	Chloroform	î T
107-06-2	1, 2-Dichloroethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichloroethane -	
56-23-5	Carbon Fatrachiorida	
108-05-4	Virwi Acetate —	
75-27-4	Bromodishleromethanis	{- 4/4

CAS Number		ug/torug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	NA
10061-02-6	Trans-1, 3-Dichloropropene	
79-01-6	Trichloroethene	1
124-48-1	Dibramochioromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10061-01-5	cis-1, 3-Dichloropropene	
110-75-8	2-Chloroethylviny ether	
75-25-2	Bromatorm	
108-10-1	4-Methyl-2-Pentanone	
591-78-6	2-Hexanone	
127-18-4	Tetrachloroethene	
79-34-5	1, 1, 2, 2-Tetrachioroethane	
108-88-3	Tohsene	
108-90-7	Chlorobenzene	
100-41-4	Ethylbanzene —	
100-42-5	Styrene -	
	Total Xvienes	\lor

Data Reporting Qualifiers

Fer reporting results to EPA: the following results qualifiers are used. Additional stags or footnoter explaining results are encouraged. However, the definition of each stag must be explicit.

- Value If the result is a value greater than or equal to the detection firms, report the value
- U Indicates compound was analyzed for but not cerected. Report the minimum detection limit for the sample with the U (e.g., TOU) based on necessary concernations district action. (This is not necessarily the instrument detection limit.). The footnote should read. U-Compound was analyzed for out not detected. The number is the minimum attainable detection limit for the sample.
- J Indicates an estimated value. This flag is used eithor when estimating a concentration for jentatively identified compounds where a 1-1 response is assumed in when the mess socicial data indicated the presence of a compound that rivers the identification criteria but the result is less than the specified direction hint but greater show and (8-g), 10U). If limit of perceition is 10 µg 11 and a concentration of 3 µg 11 in calculated report as 3J.
- This flag nockes to desticide parameters where the standischloring rules been confirmed by GC MS. Single component posticides ≥10 ng, ut in the final extract should be confirmed by GC MS.
- This flag is used when the analyte is found in the blam as will as a sample. It indicates possible, probable blank contamination and warms the data user to face appropriate action.

Other specific flags and footnotes may be required in property withing the require. If used they must be fully described and such description attached to the data summary report.

Laboratory Name	ITAS-KNOXVIlle
Case No:	EGG 23550

Sample Number Method Blanks

Organics Analysis Data Sheet (Page 2)

BLK0643B1

Semivolatile Compounds

Concentration: Low Medium (Circle One)	GPC Cleanup DYes BNo
Date Extracted / Prepared 12-15-54	Separatory Funnel Extraction BYes NA
Date Analyzed: 1-9-97	Continuous Liquid - Liquid Extraction @/es NA
Conc/Dil Factor: 0.030 Kg / 1.0 ml	No Dryman Factor
Percent Moisture (Decanted) NA	and the same in a

CAS Number		(Circle One)
108-95-2	Phenoi	330.4
111.44.4	bisi-2-ChloroethyllEther	
95-57-8	2-Chlorophenoi	
541-73-1	1 3-Dichloropenzene	
106-45-7	1 4-Dichloropenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1 2-Dichtorobenzene	
95-48-7	2-Mathylphenol	
39633-32-9	bisi2-chloroisopropvil£ther	·
105-44-5	4-Methylpheno	
521-64-7	N-Nitroso-Di-n-Prooviamine	
67-72-1	Hexachloroethane	!
98-95-3	Nitropenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-67-9	2, 4-Dimethylphenol	V
65-85-0	Benzoic Acid	1600.4
111-91-1	bist-2-ChloroethoxylMethane	330.4
120-83-2	2. 4-0-chlorophenol	-
120-82-1	1 2, 4-Trichlorobenzene	- :
91-20-3	Naphthalene	
106-47-8	4-Chlorozniline	
87-68-3	Hexachturoputadiene	
59-50-7	4-Chlora-3-Methylahenol	
91 57-6	2-Methylnaphthalane	
77-47-4	Hexachlorocyclopentad;ane	
88-05-2	2 4 6-Triemiorganenal	Ą
95-95-4	2, 4, 5- (richtorponena)	1600.4
91-58-7	2-Chloronaghthalane	310.4
88-74-4	2-Nitroaniline	1 600. H
131-11-3	Dunetnyi Phinalate	33 <i>0.</i> u
208-96-8	Acenhoritaviene	330.u
99-09-2	3-Nitroamiline	1600.4

CAS Number		ug/loug/Kg (Circle One
83-32-9	Acenaontnene	330.4
51-28-5	2. 4-Dinitrophenor	1600.4
100-02-7	4-Nitrophenol	1600.4
132-64-9	Dibenzofuran	330.4
121-14-2	2 4-Dinitratoluene	
505-20-2	2 5-Dinitratoluene	
84-55-2	Dietnylohtnalate	
7005-72-3	4-Chlorophenyl-phenylether	ì
36-73-7	Fluorana	₩
100-01-6	4-Nitroaniline	1600.4
534-52-1	4, 6-Dinitro-2-Methylphenol	1600.4
86-30-6	N-Nitrosodiohenviamine (1)	330.u
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachloropyntene	V
37-86-5	Pentachiorophenol	1600.4
85-01-8	Phenanthrene	330.4
120-12-7	Anthracane	330.u
84-74-2	Di-n-Butylohthalate	93a
206-44-0	Fiuoranthene	330. u
129-00-0	Pyrane	
95.68.7	Butvibentytontnatate	¥
91-94-1	3.3'-Dichioropenziaine	660. U
აგ.55. 3	BenzasiAnthraczne	330.4
117-81-7	DISI2-EthylnexyllPhthalate	
218-01-9	Chrysene	
117-84-0	Di-n-Octyl Phinalate	
205-99-2	Benzesbifluoraninene	
207-08-9	BenzokiFluoranthene	
50-32-8	BenzdalPyrene	
193-39-5	Indenor 1 2, 3-cd Pyrene	
53-70-3	Oibenita hiAnthracene	
191-24-2	Benzait h Deprviene	¥

⁽¹⁾⁻Cannot be separated from diphenylamine

Laboratory Name	ITAS	Knoxville
Case No	EGG 23:	550

Sample Number Method Blank Z MBI-EGG 23550 Low Level Soil Blu

Organics Analyzis Data Sheet (Page 3)

Pesticide/PCBs

Concentration Low Madium (Circle One)	GPC Cleanup 🗆 Yes 💆 No
Date Extracted / Prepared 12-15-86	Separatory Funnel Extraction
Date Analyzed 12-19-80	Continuous Liquid - Liquid Extraction @Yes
Conc Dil Factor	
Corpora Marian (doponarios)	

CAS Number		ug/Lorug/Kg (Circle One)
319-84-6	Alona-BHC	MA
319-85-7	Beta-BHC	
319-86-8	Delta-BHC	
58-89-9	Gamma-BHC (Lindana)	
76-44-8	Haptachior	
309.∞.2	Aldrin	
1024-57-3	Haptachior Spoxide	
959-98-8	Endosulfan I	
60-57-1	Dieidrin	
72-55-9	4, 4'-DDE	
72-20-8	Endrin	
33213-65-9	Endosulfan fl	
72-54-8	4, 41-000	
1031-07-8	Endosuifan Sulfate	
50-29-3	4, 4'-DOT	
72-43-5	Methoxychior	
53494-70-5	Endrin Katone	
57-74-9	Chlordane	4
8001-35-2	Tousphane	160.04
12574-11-2	Arcelor-1016	4D.AU
11104-23-2	Arector-1221	90.04
11141-16-5	Arector-1232	90.04
53459-21-9	Arocior-1242	50.01
12872-29-6	Arcclor-1249	50.0U
11097-39-1	Areclor-1254	160.04
11036-32-5	Arocier-1250	160.04

- V_i = Volume of extract injected (ul)
- V_s = Volume of water extracted (ml)
- ¥63 = Weight of sample extracted (g)
- V_t = Volume of total extract (ul)

V or W V ADDDD IV V V.		30.000 v 20000 u	72,14 //
------------------------	--	------------------	----------

Case NoEGG		ganics Analysis Di		M82-E4	_
	Or	annice Analysis Di			5 13548
		Rames what last last of a	ata Sheet	Sulfun C	
		(Page 3)		Blo	
		, , ,		لمين ليد	vel Soi
		Pesticide / PCS	s		. •••
oncentration (Low)	Medium (Cir	cle One) GI	PC Cleanup	□Yes XNo	0
ite Extracted / Prepared _	12-19-8			nnel Extraction DYes	
ite Analyzed: 12				juid - Liquid Extraction	. Oyac
one (Dil Factor)			minious En	Ing - Eidain Extraction	
ercent Moisture (decanted)				
	CAS		ua/la	(vg/Kg)	
	Number			de One)	
	319-84-6	Alona-BHC	N	9	
	319-85-7	Beta-BHC			
,	319-86-8	Delta-BHC			
	58.89.9	Gamma-8HC (Lindane)			
	76-44-8	Heptachlor			
	309-∞-2	Aldrin			
	1024-57-3	Heptachior Epoxide			
	959-98-8	Endosuifan I			
	50-57-1	Dieldrin			
	72.55.9	4, 4'-DDE Endrin			
	72-20-8 33213-65-9	Endosulfan li			
	72-54-8	4, 4'-000			
	1031-07-8	Endosulfan Sulfate	_	· · · · · · · · · · · · · · · · · · ·	
	50-29-3	4 4'-DDT			
	72-43-5	Methaxychiar			
	53494-70-5	Endrin Katone			
	57.74-9	Chlordane	1 4		
	8001-35-2	Touaphene	140.	ou .	
-	12574-11-2	Azeclor-1016	30.	04	
	11104-23-2	Arocior-1221	10	24	-
. 		Arocior-1232	80.0	ou	
	Section 2014 Section 2014		<u> 80.</u>		
	12672-29-8	Aroctor-1248	<u> </u>		
	11097-69-1	Arecior-1254	160.	Annual Control	
	11032-97-2	Aroctor-1250	160.	<u>u</u>	
	ν,	* Volume of extract injud	ned (ui)		
	V _s	# Volume of water extrac	ned (ml)		
	w,	= Waight of sample extra	cted (g)		
	v_t	≠ Volume of total extract	(ul)		
V ₃	3/	0.003 V,	1000	لي <u>د</u> .v	

Sample Number Method Black 1

Organics Analysis Data Sheet (Page 1)

00522

Lab Sample ID No: BLK 070481 Sample Matrix: Soil - low Data Release Authorized By: W-T- limbers	Case No:
	e Compounds
Concentration: Lo Date Extracted/Prep Date Analyzed: Conc/Dil Factor: Percent Moisture: (N	ared: NA ANALYSIS REQUESTED THIS SAMPLE NUMBER
CAS ug/lor ug/ Number (Circle C	
74-87-3 Chloromethane NA	73-87-5 1, 2-Dichloropropane NA

CAS Number		ug/l or ug/Kç (Circle One
74-87-3	Chloromethane	MA
74-63-9	Bromomethane	
75-01-4	Vinvi Chloride	
75-00-3	Chlorostnane	
75-09-2	Methylene Chloride	
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichloroethene	
75-34-3	1, 1-Oichloroathana	
155-60-5	Trans-1, 2-Dichloroethene	
67-66-3	Chlorotorm	
107-05-2	1, 2-0ichtoroethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichloroethane	
56-23-5	Carpon Tetrachlorida	
108-05-4	Vinyl Acetate	
75-27-4	Bromodichloromethane	\ \\

CAS Number		ug/l or ug/Kg (Circle One)	
78-87-5	1, 2-Dichloropropane	NA	
10051-02-6	Trans-1 3-Dichloropropene	,	
79-01-6	Trichloroethene		
124-48-1	Dibromochloromethane		
79-00-5	1, 1, 2-Trichloroethane		
71-43-2	Banzene		
10051-01-5	cis-1, 3-Dichlaropropene		
110-75-8	2-Chloroethylvinylether		
75-25-2	Bromotorm		
108-10-1	4-Methyl-2-Pentanone		
591-78-6	2-Hexanone		
127-18-4	Tetrachioroethene		
79-34-5	1, 1, 2, 2-Tetrachioroethane		
108-88-J	Toluene		
108-90-7	Chlorobenzana		
100-41-4	Ethylhenzene		
100-42-5	Styrene		
THE PERSON NAMED OF THE PE	Total Xylenes		

Data Reporting Qualifiers

Fire repairing needles to EPA, the following results outlifiers ore inted. Additional flocis or factiones explaining results are encouraged. However, the definition of each flag must be exclicit.

- . Wakes . If the result is a value greater than or equal to the detection limit, report the value.
- U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 100) based on necessary concentration distribution action. (This is not necessarily the instrument detection limit.) The flooringte should read. U-Campound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
 - J Indicates an estimated value. This flag is used either when estimating a concentration for tentestively instituted compounds where a 1-1 response is assumed or when the mass specified data indicated the presence of a compound that meets the identification criteria but the result is less than the specified sesection limit but greater than zero (e.g., 100). If their of detection is 10 µq/f and a concentration of 3 µq/f is calculated report as 3.0.
- C This flag applies to persisting our americal where the international nessent confirmed by GC MS. Single component persisted ≥ 10 regruis in the final extract should be confirmed by GC/MS.
- 8 This flag is used when the entire is found in the Blank as we'll at a sample. It indicates presides gronable blank containment and warns the data wair is take appropriate action.

Other specific flags and footnesses may be required to property define the results. If used, they must be fully described and such described as should such described to the data summary report.

Form I

11/85

Laboratory Name	ITAS-KNOXVIIL
Case No:	EGG 23 609

Semple Number
Method Blank

BLK0704B1

00523

Organics Analysis Data Sheet (Page 2)

Semivolatile Compounds

Concentration: Low	Medium (Circle One)
Date Extracted / Prepared.	12-22-86
	1-09-87
Conc/Dil Factor: 0.0	30 Kg / 1.0 m
Percent Moisture (Decante	

GPC Cleanup TYes ENo

Separatory Funnel Extraction @Yes NA

Continuous Liquid - Liquid Extraction Exes NA

•		
CAS		Ug/I o (ug/Kg
Number		
108-95-2	Phenol	330.U
111-44-4	bist-2:ChloroethyllEther	
95-57-8	2-Chlorophenol	
541-73-1	1 3-Dichlorobenzane	
106-45-7	1 4-Dichlorobenziene	
100-51-6	Benzyl Alcohol	
95-50-1	1, 2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Metnyipheno;	
621-64-7	N-Nitroso-Di-n-Propylamine	
57-72-1	Hexachioroethane	
98-95-3	Nitrobenzene	
78-59-1	Iscahorone	
88-75-5	2-Nitrophenol	
105-67-9	2, 4-Dimethylphenol	4
65-85-0	Benzoic Acid	1600.4
111-91-1	bis/-2-ChloroethoxylMethane	330·u
120-83-2	2, 4-Dichlorophenol	
120-82-1	1, 2, 4-Trichlorobanzané	
91-20-3	Naphthalene	
105-47-8	4-Chioroantine	
87-68-3	Hexachlorobutadiene	
59-50-7	4-Chloro-3-Mathylphenol	
91-57-6	2-Methylnaphthalene	
77-47-4	Hexachiorocyclopentadiane	
88-05-2	2, 4, 6-Trichloroonandi	V
95-95-4	2, 4, 5-Trichlorophenol	1600.4
91-53-7	2-Chloronaphthalane	330.4
88-74-4	2-Naroaniline	1600.4
131-11-3	Dimethyl Phthalate	330.u
208-96-8	Acensoninylene	330.4
99-09-2	3-Nitroandine	1600.U
<u> </u>		<u> </u>

CAS Number		ug/locup/Kg
83-32-9	Acenaphthene	330.u
51-28-5	2, 4-Dinitrophenol	1600.4
100-02-7	4-Nitrophanol	1600.4
132-64-9	Dibenzofuran	330.4
121-14-2	2 4-Dinitrotoluene	
505-20-2	2. 6-Dinitratoluene	
84-66-2	Diethylphthalate	
7005-72-3	4-Chlorcohenvi-phenvisther	
36-73-7	Fluorane	y
100-01-6	4-Nitrouniline	1600.4
534-52-1	4, 6-Dinitro-2-Methylphenol	1600.4
36-30-6	N-Nitrosodiphenviamine (1)	33p.u
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachlorobenzane	Ų
87-85-5	Pentachiorophenol	1600.4
85-01-8	Phenanthrene	330.4
120-12-7	Anthracene	330.4
34-74-2	Di-n-Sutylonthalate	110.7
206-44-0	Fluoranthane	330.u
129-00-0	Pyrone	
25-68-7	Sutylbanzyiphtnalata	V
91-34-1	3. 3'-Dichiorobenzidina	660.4
56-55-3	Senzola Anthracene	330. W
117-81-7	Dist2-EthylhexyliPhthalate	
218-01-9	Chrysana	
117-84-0	Di-n-Octyl Phinalate	
205-99-2	BenzabiFluoranthane	
207-08-9	[Benzolk)Fluoranthene	
50.32.8	Benzola Wyrana	
193-39-5	Indano(1, 2, 3-cd)Pyrane	
53.70.3	Dibensia hiAnthracene	
191-24-2	Benzoig h. ilPerviene	À

⁽¹⁾⁻Cannot be separated from diphenylamine

Laboratory Nan	ne ITAS	knaville	
Case No	E66	23609	

Sample Number Method Blank 1 MBI- EGG 23609

Organics Analysis Data Sheet (Page 3)

Low Level Soil Blank 00525

Pesticide/PCBs

Concentration Liw Medium (Circle One)	GPC Cleanup □Yes ∯No
Date Extracted / Prepared 12-22-86	Separatory Funnel Extraction
Date Analyzed 1-10,11-87	Continuous Liquid - Liquid Extraction @Yes
Conc Dil Factor 1, 1/10	
Percent Moisture (decanted)	

CAS Number		ug/lor ug/Kg (Circle One
319-84-6	Alpha BHC	N4
319-85-7	Beta-BHC	
319-85-8	Delta-BHC	
58-89-9	Gamma-BHC (Lindana)	
75-44-8	Heptechlor	
309.00.2	Aldrin	
1024-57-3	Heptachlor Epoxide	
959-98-8	Endosulfan i	
60-57-1	Dieldrin	
72-55-9	4 4 - DDE	
72-20-8	Endrin	
33213-65-9	Engosulfan II	
72-54-8	4, 41-000	
1031-07-8	Endosulfan Sulfate	
50-29-3	4 4'-DDT	
72-43-5	Methoxychlor	
53494-70-5	Endrin Kelone	
57-74-9	Chlordane	\downarrow
8001-35-2	Toxaphene	160.04
12874-11-2	Arcolor-1016	80.00
23-24-111	Arector-1221	୧୭.୦୯
11141-15-5	Arocics-1232	90.04
53469-21-9	Arodor-1242	<u> </u>
12572-23-6	Aroctor-1248	90.00
11097-89-1	Juctor-1254	160.04
11095-32-5	Aroclar-1260	160.00

- Y, 2 Volume of extract injected (ul)
- Vs = Volume of water extracted (ml)
- Wa = Weight of sample extracted (g)
- V_t = Volume of total extract (ul)

٧,	er W _s	30.00	v,	20000,0	٧,	<u>5, 1, 2, 1, 1</u>
3			ı	/	•	

Sample Number	
METHOD BLANE	027

Organics Analysis Data Sheet (Page 1)

	(ray	E 1)	
Lab Sample ID No: BLK to Sample Matrix: Watt Data Release Authorized By:	83181 w	Case No: EGG Z. QC Report No: Contract No: Date Sample Received:	
	Volatile Co Concentration: Low Date Extracted/Prepared: Date Analyzed:	Medium (Circle One) NA NA JA pH	NO VOLATILE ANALYSIS REQUESTED THIS SAMPLE NUMBER
CAS ,	ug/lorug/Kg	CAS	ug/lorug/Kg

CAS Number	7	ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	NA
74-83-9	Bromomethane	
75-01-4	Vinvl Chlaride	
75-00-3	Chiorcethane	
75-09-2	Methviene Chloride	,
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichtorcethene	
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Oichlorcethene	
67-66-3	Chlaroform	
107-06-2	1, 2-Dichloroethane	
78-93-3	2-Sutanone	
71-55-6	1. 1, 1-Trichloroethane	
56-23-5	Carbon Tetrachloride	
103-05-4	Vinvi Acetata	
75-27-4	Sromodichloromethane	U

CAS Number		ug/I or ug/Kg (Circle One)
78-87-5	1, 2-Dichtoropropane	NA
10061-02-6	Trans-1, 3-Dichloropropene	1
79-01-6	Trichtoroethene	
124-48-1	Dibromochioromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10051-01-5	cis-1, 3-Dichloropropene	
110-75-8	2-Chloroethylvinylether	
75-25-2	Bromotorm	
108-10-1	4-Methyl-2-Pentanone	1
591-78-6	2-Hexanone	
127-18-4	Tetrachioroethene	
79-34-5	1, 1, 2, 2-Tetrachtoroethane	
108-88-3	Toluene	
108-90-7	Chlorobenzene	
100-41-4	Ethvibenzene	
100-42-5	Styrene	
	Total Xvienes	U

Data Regarting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional Regi or formores explaining results are encouraged. However, the destination of each file insult he explicit.

- Value If the result is a value greater then or equal to the detection limit, report the value
- U Indicates compound was analyzed for but not directed. Report the minimum detection limit for the sample with the U (e.g., 100) based on nocessary concarrestion/obtation action. (This is not necessarily the instrument detection limit.). The forenote should read. U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
- Indicates an estimated value. This flag is used either when estimating a concentration for tentetively identified compounds where a 1.1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g., 10J), if limit of detection is 10 µg/1 and a concentration of 3 µg/1 is calculated, report as 3J.
- This flag applies to posticize paramierrs where the identification has been continued by GC-MS. Single component systecides ≥10 ag/ul in the final extract should be continued by GC-MS.
- This flag is used when the analyse is found in the blank as wolf bit is sample. It indicates possible protecte blank contamination and worns the data user to take appropriate action.

er Other specific flags and footnotes may be required to properly define the results. If used linky must be fully described and such description acached to the data summary report.

Form 1

11/85

The second secon

Laboratory Name	ITAS-KNOXVIILE
Case No	EGG 23610

Sample Number	
Method Blank	1

BLK083181

0273

Organics Analysis Data Sheet (Page 2)

Semivolatile Compounds

Concentration: Low	Medium	(Circle One)
Date Extracted / Prepara	d	1-15-87

GPC Cleanup DYes ENO

Separatory Funnel Extraction TYes

Continuous Liquid - Liquid Extraction EYes NA

 Date Extracted / Prepared.
 1-15-87

 Date Analyzed:
 1-17-67

 Conc/Dil Factor:
 1-0-6-7

 Percent Moisture (Decanted)
 MA

CAS ta/lbrug/Kg Number (Circle One) 10.4 108-95-2 Phenol 111-44-4 bisi-2-ChloroethyllEther 95-57-8 2-Chlorophenol 541-73-1 1 3-Dichlorobenzene 105-45-7 1 4-Dichlorobenzane 100-51-6 Benzyl Alcohol 95-50-1 1 2-Dichlorobanzene 95-48-7 2-Methylphenol 39638-32-9 bist2-chiorpisopropylifiner 106-44-5 4-Methylchanoi 621-64-7 N-Nitroso-Di-n-Propylamine 67-72-1 Hexachioroethane 98-95-3 Nitrobanzene 78-59-1 Isophorone 88-75-5 2-Nitroonenol 2. 4-Dimethylphenol 105-67-9 65-85-0 Banzoic Acid 111-91-1 bisi-2-ChlorosthoxylMethane 120-83-2 2. 4-Dichlorophenal 120-82-1 1, 2, 4-Trichloropenzene 91-20-3 Naphthalene 105-47-8 4-Chioroanilina 87-68-3 #exachiorobutadiene 59-50-7 4-Chloro-3-Mathylphenol 91-57-3 2-Methylnaphthalana 77-37-4 Hexachiorocyclopentadiene 80-05-2 2, 4 5-Trichlorophenol 95-95-4 2, 4, 5-Trichlorophenol 50.4 \$1.53.7 2-Chioronaphthalane 10.4 83.74-4 2-Marosniline 50. u 131-11-3 Dimethy Phihalate 10.4 208-95-8 Acanaoninylane 10.4 50. u 99-09-2 3-Nitrosniline

CAS		ug/lorug/Kg
Number		Circle One
33-32-9	Acensorthene	10.4
51-28-5	2. 4-Dingraphenol	50.4
100-02-7	4-Nitrophenol	50·4
132-64-9	Dibanzoluran	10.4
121-14-2	2 4-Dinitrotoluene	
505-20-2	2 5-Dinitrotoluene	
34-65-2	Distrylohtnalate	
7005-72-3	4-Chlorophenyl-phanylether	
35-73-7	Fluorana	W
100-01-8	4-Nitrosniina	5C 4
534-52-1	4, 6-Dingro-2-Methylonenol	50·4
86-30-6	N-Nitrosodiphenylamina (1)	10.W
101-55-3	4-Bromophenyl-phenylether	10. لا
118-74-1	Hexachiorobenzane	10.W
37-36-5	Pantachiorophenoi	5ç.y
35-01-8	Phenanthrane	10.4
.20-12-7	Anthracane	
34.74.2	Di-n-Sutylohtnalate	
205-44-0	Fluoranthene	
129-00-0	Pyrana	
35-83-7	Butylbangyignthalate	4
31-94-1	3, 3'-Dichlorobenzidine	20.4
36-55-3	Banzola Anthracane	10.14
117-31-7	bisi2-Ethylhexyl)Phthalate	
213-01-9	(Chrysana	
117-84-0	Di-n-Octyl Phinalate	
205-39-2	(Janzabifluoranthene	
207-03-9	Banzolk Fluoranthene	THE PERSON NAMED IN COLUMN
50-32-3	gausca Myrana	
123-39-5	(indenal), 2, 3-cd) Pyrana	
53-70-3	Oibenzia hlAnthracena	
191-24-2	Sanzola h, ilParviene	14

⁽¹⁾⁻Cannot be separated from diphenylemine

Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contro

						U Z
Laboratory Name						Sample Number
Case No	egg :	23610				MBI- EGG 23610
		Or	ganics Analysis (Page 3		neet .	Water Blank
			Pesticide/F	CBs		
Concentration (Low M	ledium (Cir	cie One)	GPC Clea	nup □Yes ₩N	lo
Date Extracted /Pr					ry Funnel Extra	
Date Analyzed:						•
				Continuo	ius Liquia - Liqi	uid Extraction 🗆 Yes
Conc Dil Factor						
Percent Moisture	(decanted) .					
		CAS			g/Jor ug/Kg	
		Number	Carlo Brid	· · · · · · · · · · · · · · · · · · ·	(Circle One)	
		319-84-6	Alpha-BHC Beta-BHC		NA	
		319-86-8	Delta-BHC			
7		58-89-9	Gamma-BHC (Lind)	ane)		
		76-44-8	Heptachior			
		309-00-2	Aldrin			
		1024-57-3	Heptachlor Epoxide			
		959.98.8	Endosultan I			
		60-57-1	Dieldrin		İ	
		72-55-9	4 4 -DDE			
		72-20-8	Endrin			
		33213-65-9	<u> </u>			
		72-54-8	4.4-000			
		1031-07-8	Endosultan Sulfate			
		50-29-3	4 4 -ODT			
		72-43-5	Methoxychior Endrin Ketone			
		53494-70-5	Chlordane			
		8001-35-2	Toxaphene		1.00	
			Arccior-1015		o.5u	
			Arcolor-1221		0.54	
			Arocior-1232		0.5u	
		53469-21-9	Arocior-1242		0.54	
		12672-29-5	Aroctor-1248		0.54	
		11097-89-1	Arocior-1254		1.04	
		11096-82-5	Arociar-1260		1.04	
		v _s w _s	* Volume of extract * Volume of water a * Weight of sample	extracted (m	n	
	2	, i	* Volume of total ax	iraci (UI)		- 0 0 1

Sample Number Tenan Blank Chancal Blank

Organics Analysis Data Sheet (Page 1)

(Pag	ge 1)	0511
Laboratory Name:	Case No: EGG Z361Z QC Report No: Contract No: Date Sample Received:1Z-17-86	
Volatile Co	mpounds	

Concentration:	Low	Medium	(Cir	cle One)
Date Extracted/8	repared	1:12:	- 30-	86
Date Analyzed:		12-3	30-8	6
Conc/Dil Factor:		IAp	н	NA
Percent Moisture	e: (Not D	ecanted)	N/	4

242		ng/4ube
CAS Number		(Circle One
74-87-3	Chloromethane	50. u
74-83-9	Bromomethane	
75-01-4	Vinvl Chloride	
75-00-3	Chlorcethane	Į.
75-09-2	Methylene Chloride	7. 丁
67-64-1	Acetone	440. B
75-15-0	Carbon Disulfide	25 u
75-35-4	1, 1-Dichloroethene	
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichloroethene	+
67-66-3	Chloroform	15. J B
107-06-2	1, 2-Dichloroethane	25. U
78-93-3	2-Butanone	130. B
71.55-6	1, 1, 1-Trichloroethane	25. U
56-23-5	Carbon Tetrachloride	25. U
108-05-4	Vinyl Acetate	50.u
75-27-4	Bromodichloromethane	25. u.

CAS Number		19/tube 18/forug/Kg (Circle One)
78-87-5	1, 2-Dichleropropane	25.4
10051-02-6	Trans-1, 3-Dichloropropene	1
79-01-6	Trichloroethene	
124-48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	6.J
10061-01-5	cis-1, 3-Dichtoropropene	25.4
110-75-8	2-Chloroethylvinylether	50. W
75-25-2	Bromoform	25.4
108-10-1	4-Methyl-2-Pentanone	50. U
591-78-6	2-Hexanone	50. U.
127-18-4	Tetrachlorcetnene	42.
79-34-5	1, 1, 2, 2-Tetrachloroethane	25. U
109-88-3	Toluene	3 J
108-90-7	Chlorobenzene	25.U
100-41-4	Ethylbenzene	١
100-42-5	Styrene	
	Total Xvienes	Ţ

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. $\stackrel{\sim}{\sim}$ Additional flags or footnotes explaining results are encouraged. However, the

- If the result is a value greater than or equal to the detection limit, Value
- Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit.) The footnote should read. U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample
- Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1.1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g., 103). If limit of detection is 10 μg (Land a concentration of 3 μg /Lis calculated, report as 33.
- This flag applies to pesticide parameters where the identification has been confirmed by GC-MS. Single coinconent pesticides≥10 ng/ul in the final extract should be confirmed by GC/MS.
- This flag is used when the analyte is found in the blank as well as a sample. It indicates possible probable blank containination and warns the data user to take appropriate action.

Other specific flags and footnotes in avibe required to properly define the results. If used, they must be fully directibled and such description attached to the data summary report

Sample Number
METHOD BLANK I

Organics Analysis Data Sheet (Page 1)

0873

•	Case No: <u>EGG 23612</u>		
Lab Sample ID No: VOBLI2293	QC Report No:		
Sample Matrix: WATER	Contract No:		
Data Release Authorized By: 41-7- Wilson	Date Sample Received: 12-17-26		
Volatile Compounds			
Concentration: (Low) Medium (Circle One)			
Date Extracted/Prepared: _	12-29-36		

Conc/Dil Factor: _____pH ______

Percent Moisture: (Not Decanted) _____

Date Analyzed: 12-29-86

CAS Number		ug/lor fCirc	ug/Kg la Onal
74-87-3	Chloromethane	U	10
74-83-9	Bromomethane	IU	10
75-01-4	Vinvi Chlorida	U	10
75-00-3	Chicroethane	U	10
75-09-2	Methylene Chloride	35	
67-64-1	Acetone	34	
75-15-0	Carbon Disulfide	U	و.5
75-35-4	1, 1-Dichloroethene	V	١
75-34-3	1, 1-Dichloroethane	V	
156-60-5	Trans-1, 2-Dichloroethene	U	Ţ
67-66-3	Chloroform	5	
107-05-2	1, 2-Dichloroethane		5.0
78-93-3	2-Butanone		10
71-55-6	1, 1, 1-Trichloroethane	TU	5.0
56-23-5	Carbon Tetrachloride	lu.	5.0
108-05-4	Vinyl Acetate	U	10
75-27-4	Bromodichloromethane	W	5.0

CAS Number			rug/Kg cle One)
78-87-5	1, 2-Dichloropropane	U	5.0
10061-02-6	Trans-1, 3-Dichloropropene	Ų	1
79-01-6	Trichloroethene	10	
124-48-1	Dibromochloromethane	U	
79-00-5	1, 1, 2-Trichloroethane	U	
71-43-2	Benzene	U	
10061-01-5	cis-1 3-Dichloropropene	U	工
110-75-8	2-Chloroethylvinylether		10
75-25-2	Bromoform	U	ن.5
108-10-1	4-Methyl-2-Pentanone		10
591-78-6	2-Hexanone	U	10
127-18-4	Tetrachloroethene	U	S. <i>O</i>
79-34-5	1, 1, 2, 2-Tetrachloroethane	U	l
108-83-3	Taluene	Tu	
108-90-7	Chlorobenzene	TU	
100-41-4	Ethylbenzene	U	7
100-42-5	Styrene	U	
	Total Xvlenes	Tu	Ţ

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or roomorsk explaining results are encouraged. However, the definition of each flag must be explicit.

C

- Value If the result is a value greater than or equal to the detection limit, report the value
- U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U leg., 10UI based on necessary concentration/distinct action. (This is not necessarily the instrument detection limit.). The foliation should read. U-Compound was analyzed for but not detected. The number is the minimum attainable defection limit for the sample.
- Indicates an estimated value. This flag is used either when estimating a concentration for tentarizely identified compounds where a 1-1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero, legically. If limit of detection is 10 µg/1 and a concentration of 3 µg/1 is calculated, report as 3J.
- This flag applies to pesticide parameters where the identification has been confirmed by GC MS. Single component pesticides ≥10 ng. ul in the final extract should be confirmed by GC+MS.
- This flag is used when the analyte is found in the blank as well as a sample. It indicates possible (wonable blank containination and warns the data user to lake appropriate action.

Other specific flags and footnotes may be required to prowrity define the results. If used they must be fully described and such describion attached to the data summary report.

Form 1

Sample Number
TBLK 791
REAGENT BLANK
METHOD

446814

080

Organics Analysis Data Sheet (Page 1)

Laboratory Name: ITAS - KNO	XVILLE Case No:	EGG 23612
Lab Sample ID No: AA 681	C Report	No:
Sample Matrix: REA GENT Data Release Authorized By: W-1		o:
Conce	Volatile Compounds	Circle One)) NO VOLATILE
	Extracted/Prepared: NA	
	Analyzed: NA	SAMPLE NUMBER
	'Dil Factor: NA pH_	
Percei	nt Moisture: (Not Decanted)	

CAS Number		ug/f or ug/K (Circle One
74-87-3	Chloromethane	MA
74-83-9	Bromomethane	1
75-01-4	Vinyl Chloride	
75-00-3	Chloroethane	
75-09-2	Methylana Chlorida	
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichlorpethene	
75-34-3	1, 1-Dichlorosthans	
156-60-5	Trans-1, 2-Dichloroethene	
67-66-3	Chloroform	
107-06-2	1, 2-Dichloroethane	
78-93-3	2-Butanone	
71.55.5	1, 1, 1-Trichloroethane	
56-23-5	Carbon Tetrachloride	
109-05-4	Vinyl Acetata	
75-27-4	Bromodichloromethane	¥

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	NA
10061-02-6	Trans-1, 3-Dichloropropene	1
79-01-6	Trichloroethene	
124-48-1	Dibroimochloromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Senzene	
10061-01-5	cis-1, 3-Dichloropropene	
110-75-8	2-Chloroethylvinylether	
75-25-2	Bromotorm	
108-10-1	4-Methyl-2-Pentanone	
531-78-6	2-Hexanone	
127-18-4	Tetrachloroethene	
79-34-5	1, 1, 2, 2-Teti achioroethane	
108-83-3	Toluene	{
108-90-7	Chloropenzene	
100-41-4	Ertiylbenzane	
100-42-5	Styrene	
	Total Xvienes	

Data Reporting Qualifiers

For reporting results to EPA, the following results numbers are used. Additional Rags or footnotes including rejults are oncouraged. However, the deliminon of each flag must be explicit.

- Value If the result is a value greator than or equal to the direction limit, report the value
- U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 100) based on necessary concarration/dilution action. (This is not nocessarily the instrument detection limit.) The footnote should raid. U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
- J Indicates an estimated value. This flag is used either when ostimating a concentration for renatively identified compounds where a 1-1 response is assured or when the meas specified data indicated the presence of a compound that most the identification criteria but the result is less than the specified detection limit but greater than zero (e.g., 102). If limit of detection is 10 µg/1 and a concentration of J µg/1 is calculated report as JJ.

The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon

- C This itag applies to pessicide parameters where the identification has been confirmed by GC-MS. Single component pesticides ≥10 ng/ul in the final extract should be confirmed by GC/MS.
- 8 This flag is used when the analyse is found in the blank as shell is a sample. It indicates possible prohible blank containination and warms the data user to take appropriate action.

Other Coner specific flags and footnotes may be required to properly delice the results. If used, they must be fully described and such described and such described and such described to the dails summary report.

Form 1

11/00

Laboratory Name:	ITAS-KNOXVIIL
Case No	EGG 23612

Sample Number
AEAGENT TBIK711
Method Banic

Organics Analysis Data Sheet (Page 2)

AA 6814

Semivolatile Compounds

Concentration: Low	Medium (Circle One)
Date Extracted/Prepared:	1-9-87
	1-12-87
Conc/Dil Factor:	10:1
Paraget Maisture /Dagans	1 1/1

GPC Cleanup □Yes ੴNo

Separatory Funnel Extraction | Tes

Continuous Liquid - Liquid Extraction (2) 123 MA

CAS Number		Circle One
108-95-2	Phenol	10. u
111-44-4	bist-2-ChloroethyllEther	
95-57-8	2-Chlorophenol	
541-73-1	1 3-Dichloropenzene	
106-46-7	1, 4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1 2-Dichforobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylpheno	
621-64-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachloroethane	
98-95-3	Nitrobenzene	
78-59-1	Isopharane	
88-75-5	2-Nitrophenol	
105-57-9	2, 4-Dimethylphenol	V
65-85-0	Benzoic Acid	50. H
111-91-1	bist-2-Chloroethoxy)Methane	10. U
120-83-2	2, 4-Dichlorophenol	
120-82-1	1, 2, 4-Trichlorobenzene	
91-20-3	Naphthalene	
106-47-8	4-Chloroaniline	
87-68-3	Hexachlorobutadiene	
59-50-7	4-Chioro-3-Methylphenol	
91-57-6	2-Methylnaphthalene	
77-47-4	Hexachlorocyclopentadiene	
83-Q5-2	2, 4, 6-Trightorophenal	Ý
95-95-4	2, 4, 5-Trichlorophenoi	50.4
91-58-7	2-Chioronaphthalene	10. u
98.74.4	2-Nitroanitine	50.U
131-11-3	Dimethyl Phthalate	10.4
208-95-8	Acenaphthylene	10.4
99-09-2	3-Nitroanitine	50.u

CAS Number		(Circle One)
83-32-9	Acenaghthene	10.u
51-28-5	2, 4-Dinitrophenol	50.u
100-02-7	4-Nitrophenol	50.u
132-54-9	Dibenzoluran	10.4
121-14-2	2 4-Dinitrotoluene	
606-20-2	2. 6-Dinitrataluene	
84-66-2	Diethylphthalate	
7005-72-3	4-Chiorophenyl-phenylether	
86-73-7	Fluorene	V
100-01-6	4-Nitroaniline	50.4
534-52-1	4, 6-Dinitro-2-Methylphenol	50.U
86-30-6	N-Nitrosodiphenylamine (1)	10.u
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachiorobenzene	V
87-85-5	Pentachiorcphenol	50.4
85-01-8	Phenanthrene	10.u
120-12-7	Anthracene	10.U
34-74-2	Di-n-Butylphthalate	4.3
206-44-0	Fluoranthane :	10.4
129-00-0	Pyrene	
35-68-7	Butylbenzylphthalate	· Ju
91-94-1	3, 3'-Dichlorobenzidine	20.4
56-55-3	Benzo(a)Anthracene	/a u
117-81-7	bist2-EthylhexyllPhthalate	
218-01-9	Chrysene	V
117-84-0	Di-n-Octyl Phthalate	24.
205-99-2	Benzo(b)Fluoranthene	10.4
207-08-9	Benzok)Fluoranthene	
50-32-8	Benzola)Pyrane	
193-39-5	Indeno(1, 2, 3-cd)Pyrene	
53-70-3	Dibentia tilAnthracene	
191-24-2	Benzolg h ilPerviene	<u> </u>

⁽¹⁾⁻Cannot be separated from diphenylamine

Laborato	ry NameTTAS	s knowille .	-
Case No	EGG	23612	

Sample Number TBLK 791 Reagent Blank

Organics Analysis Data Sheet (Page 3)

U8S.

Pesticide/PCBs

Concentration Low	Medium (Circle One) 34	GPC Cleanup □Yes ♥No
Date Extracted Prepared	12/22-29/86	Separatory Funnel Extraction
Date Analyzed	1-10-70	Continuous Liquid - Liquid Extraction Yes
Conc Dil Factor	1, 420	
Percent Moisture (decant	ed)	

CAS Number		ng vg/torvg/K (Circle One
319-84-6	Alpha-8HC	NA
319-85-7	Beta-BHC	
319-86-8	Delta-3HC	
58-89-9	Gamma-BHC (Lindane)	
76.44.8	Heptachlor	Í
309-00-2	Aldrin	
1024-57-3	Meptachlor Epoxide	
959-98-8	Endosulfan I	
50-57-1	Dieldrin	
72-55-9	4. 4 -DOE	
72-20-8	Endrin	
33213-65-9	Endosultan II	٠.
72-54-8	4, 4-000	
1031-07-8	Endosulfan Sulfate	
50-29-3	4 4 -DDT	
72-43-5	Methoxychlor	
53494.70 5	Endrin Xetone	
57-74-9	Chlordane	4
3001-35-2	Toxaghene	1000.4
12674-11-2	Aroctor-1016	500.U
11104-28-2	Arector-1221	500.U
11141-16-5	Arocior-1232	500.U
53469-21-9	Aroctor-1242	500.U
12672-29-6	Arccior-1243	500.4
11097-69-1	Aroclor-1254	1000.U
11095-82-5	Arocior-1260	1000.4

- V_i × Volume of extract injected (ul)
- V₃ × Vnlume of water extracted (ml)
- Ws = Weight of sample extracted (g)
- V₁ = Volume of total extract (u!)

٧,		or W _s	v, 5000 ul	v, <u>5, D</u>
	* modified ore	ep-see narration	1e	

	1945	-
Samp	le Number	
XAD	Blank	

Organics Analysis Data Sheet (Page 1)

	(Pa	age 1)	
Laboratory Name:	487 - Resin	Case No: F6 QC Report No: Contract No: Data Sample **:caived: _	
	Concentration: Low Date Extracted/Prepared Date Analyzed: Conc/Dil Factor:	Ompounds Medium (Circle One) Decanted)	<u>.</u>
CAS	ug/lorug/Kg	CAS	ug/Lorug/Kg

CAS Number		ug/l or ug/Kg (Circle One
74-87-3	Chloromethane	NA
74-83-9	Bromomethane	
75-01-4	Vioy! Chloride	
75-00-3	Chloroethane	
75-09-2	Methylene Chloride	
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichtoroethene	
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichloroethene	
67-56-3	Chloroform	
107-06-2	1, 2-Dichloroethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichtoroethane	
56-23-5	Carbon Tetrachloride	
108-05-4	Vinyl Acetate	
75-27-4	Bromodichloromethane	1 4

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	NV
10061-02-6	Trans-1, 3-Dichloropropene	Ì
79-01-6	Trichtoroethene	
124-48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichlorgethane	i i
71-43-2	Benzene	
10051-01-5	cis-1, 3-Dichloropropene	
110-75-8	2-Chloroethylvinylether	
75-25-2	Bromoform	
108-10-1	4-Methyl-2-Pentanone	
591-78-6	2-Hexanone	
127-18-4	Tetrachioroethene	
79-34-5	1, 1, 2, 2-Tetrachioroethane	
108-88-3	Toluene	
109-90-7	Chlorobenzene	
100-41-4	Ethylbenzene	
100-42-5	Styrene	
	Total Xylenes	V

Date Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value	If the result is a value greater than or equal to the detection limit
	report the value

- U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 100) based on necessary concentration/dilution action. [This is not necessarily the instrument detection limit.] The looprote should read. U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
- Indicates an estimated value. This flag is used either when estimating a concentration for (subatively identified compounds where a 1.1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g., 103). If limit of detection is 10 ug/1 and a concentration of 3 µg/1 is calculated report as 3J.
- C. This flag applies to pasticide parameters where the identification has been confirmed by GC MS. Single component pesticides≥10 ng. ul in the final extract should be confirmed by GC MS.
- 8 This flag is used when the analyte is found in the blank as well as a sample. It indicates possible-prohable blank containination and warrs the flag a start in large appropriate 2000.

Other Other specific Itags and footnotes may be required to prowell-define the results. If used, they must be fully described and such description attached to the data summary report.

ç	^	_
r	υī	f LI

Laboratory Name	ITAS-KNOXVIIL
Cara Na:	EC.C 23617

Organics Analysis Data Sheet (Page 2)

Sample Number XAD Blank

> AA 6487 AA 648702 *

Semivolatile Compounds

Concentration: Low	Medium	(Circle One)
Date Extracted / Prepared.		
Date Analyzed:	1-12	- 87
Conc/Dil Factor: 10	<u>: </u>	
Percent Moisture (Decant	ed)	NA

Separatory Funnel Extraction DYes
Continuous Liquid - Liquid Extraction EYes WA

GPC Cleanup TYes TNo

CAS Number	•	Horug ₩ (Circle One
108-95-2	Phenoi	10. u
111.44.4	bist-2-ChloroethvliEther	
95-57-8	2-Chlarophenol	
541-73-1	1 3-Dichlorobenzene	
106-46-7	1. 4-Dichlorobenzene	
100-51-6	Benzyl Alconol	
95-50-1	1 2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39538-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methyloneno	
521-54-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachloroethane	
99-95 3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-67-9	2, 4-Dimethylphenol	A
65-85-0	Benzoic Acid	50. LL
111-91-1	bist-2-ChloroethoxylMethane	10. u
120-83-2	2, 4-Dichlorophenol	
120-82-1	1, 2, 4-Trichlorobenzene	y
91-20-3	Nachthalene	66.
10-5-47-8	4-Chloroaniline	10.u
87-68-3	Hexachtoroputadiene	
59-50-7	4-Chlora-3-Methylohenol	
91-57-5	2-Methylnaphthalene	
77-47-4	Hexachlorocyclopentadiene	
88-06-2	2 4 6-Trichtorophenol	·
35-95-4	2. 4 5-Trichlorophenol	50.4
91 58-7	2-Chloronaonthalene	10. U
83-74-4	2-Nitroaniline	50.U
131-11-3	Oimethyl Phinalate	10.4
208 95-8	Acenaoninviene	10.4
99-09-2	3-Niiroaniline	50. U

Number 33-32-9 51-28-5	[Acenaphtnene	(Circle One
<u></u>	Acenaphinene	
51-28-5	1 Acondo miene	10.4
	2, 4-Dinitrophenol	50.u
100-02-7	4-Nitrophenol	50.u
132-64-9	Dibenzoluran	10.4
121-14-2	2 4-Dinitrotoluene	
606-20-2	2. 6-Dinitrataluene	
84-85-2	Diethylphthalate	
7005-72-3	4-Chiorophenyl-phenylether	
86.73.7	Fluorene	J.
100-01-6	4-Nitroaniline	50.4
534-52-1	4, 6-Dinitro-2-Methylphanol	50. u
86-30-6	N-Nitrosodiphenvlamine (1)	10.4
101-05-3	4-Bromophenyl-phenylather	
118 74-1	Hexachlorobenzene	1
87.86.5	Pentachioropheno!	50.4
85-01-8	Phenanthrene	10.W
120-12-7	Anthracene	10. u
84-74-2	Oi-n-Butylphthalate	z. J
205-41-0	Fluoranthene	10. 4
129-00-0	Pyrane	
35-68-7	Butylbenzylphthalate	V
91-94-1	3. 3'-Dichloropenzidine	20.4
56-55-3	Benzo(a)Anthracene	/a u
117-81-7	bist2-EthylhexyljPhihalate	16.
213-01-9	Chrysene	10.u
117-34-0	Oi-n-Octyl Phinalate	510. A
205-99-2	Benzabifiuoraninene	10. u
207-08-3	BenzoikiFluoranthene	
50-32-8	BanzotalPyrane	
193-39-5	Indenor1, 2, 3-ediPyrene	
53.70.3	Dibenzia hiAnthracene	
191.24.2	Benzala h ilPerviene	14

(1)-Cannot be secerated from diphenylamine

-H DATA TAKEN FROM DILUTION RUM -

Form 1 927

7. 85

Laboratory Name	ITAS	Knoxville
Case No	E66	23617

Sample Number

XAD BLANK

Organics Analysis Data Sheet (Page 3)

0954

Pesticide/PC8s

Concentration Low Medium	(Circle One) ¥	GPC Cleanup 🗆 Yes 💆 No
Date Extracted / Prepared 12/22-	29/86	Separatory Funnel Extraction
Date Analyzed 1-10, 11-8	7	Continuous Liquid - Liquid Extraction Yes
Conc (Dil Factor) 45, 420	1200	,
Percent Moisture (decanted)		nq

		''5
CAS Number		vg√l er ug√K g (Circle One)
319-84-6	Alpha-BHC	NA
319-85-7	Beta-BHC	
319-86-8	Delta-BHC	
58-89-9	Gamma-BHC (Lindane)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Heptachior Epoxide	
959-98-8	Endosulfan I	
60-57-1	Dieldrin	
72-55-9	4.4-00E	
72-20-8	Endrin	
33213-65-9	Endosulfan II	
72-54-8	4 4'-000	
1031-07-8	Endosulfan Sulfate	
50-29-3	4 4'-007	
72-43-5	Methoxychlor	
53494-70-5	Endrin Katone	
57-74-9	Chlordane	T 4
8001-35-2	Toxaphone	1100.4
12674-11-2	Aroclor-1016	500.U
11104-28-2	Arocior-1221	9400.4
11141-16-5	Arocior-1232	500.U
53469-21-9	Arccior-1242	500.U
12672-29-6	Arocior-1248	500·U
11097-69-1	Arocior-1254	1000.4
11096-82-5	Aroctor-1250	1000.4

- V_a = Volum: of extract injected (ul)
- Vg = Volume of water extracted (ml)
- W_g = Weight of sample extracted (g)
- V_t = Volume of total extract (ul)

v _s	or W _g		v, <u>5, 0</u>
×	emodified area-see nan	native	

Sample Number	
FS-1 QC	#5

Organics Analysis Data Sheet (Page 1)

00604

Laboratory Name:	Case No:FGG 23550
Lab Sample ID No: HAR 5894 MF	QC Report No:
Sample Matrix: Feed Stock	Contract No:
Data Release Authorized By:	Date Sample Received: 12-9-86

Volatile Compounds

Concentration:	Low	Medium	(Circle	One)
Date Extracted/F	repared	: <u> </u>		
Date Analyzed: _				
Conc/Dil Factor:		b	- 1A	
Percent Moistura	: (Not C	Decanted)	المبايد	7,3

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chioromethane	NA
74-83-9	Bromomethane	
75-01-4	Virial Chloride	
75.00-3	Chlorcethane	
75-09-2	Methylene Chlorida	
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichloroethane	
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichlercethene	
67-56-3	Chioroform	
107-05-2	1, 2-Dichloroothane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichloroethane	
56-23-5	Carbon Yetrachloride	
108-05-4	Vinyl Acetate	
75-27-4	Bromodishloromethane	V

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1. Z-Dichloropropane	1 04
10061-02-6	Trans-1, 3-Dichloropropene	
73-01-6	Trichlarosinene	
124-48-1	Dibromochloromethane	
79-00-5	1. 1, 2-Trichloroethane	
71-43-2	Benzene	
10051-01-5	cis-1, 3-Dichloropropene	
110-75-8	2-Chloroethylvinylather	
75-25-2	Brometerm	
108-10-1	4-Methyl-2-Pentanone	
591-78-6	2-Hexanone	
127-13-4	Tetrachloroethene	
79-34-5	1, 1, 2, 2-Tetrachloroethane	
108-88-3	Toluene	
108-90-7	Chlorobenzene	
:00-41-4	Ethylbenzene	
100-42-5	Styrene	Ü.
	Total Xvienes	w i

Date Resorting Gualifiers

For reporting results to EPA, the following results qualifiers are visit Additional flees or fostiones exclaiming results are encouraged. However, the definition of each flee must be expects.

- Value:—If the result is a value greater than or oqual to the detection little, report the value.
- U Indicates compound was analyzed for but not detected. Recort the minimum detection limit for the sample with the U (e.g., 1001 based on necessary concentration / dilution action. I fine to necessarity the instrument detection films 1. The footnote should read. U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
- J Indicates an estimation value. This flag is used either when estimating a contentration for tentatively identified Compounds where a 1-1 response is assumed or when the most specifial data indicated the presence in a compound that meets the roundrication Criteria but the result is less than the specified detection finite but greater than tent to 3,10,01. If limit of distaction is 10 up if and a concentration of 3 up/1 is calculated report as 3.3.
- This flag applies to pessicide parameters where the identification has been conformed by GC-MS. Single component costicides ≥10 kg, which the final extract should be conformed by GC-MS.
- 8 This flag is used when the analyte is found in the blam as well as a sample. It indicates possible prohable blanc comprimes and within the duta user to take appropriate action.

Other Other specific flags and footnoises in avible required to prepare defined the results. If used litter must be fully described and such described attached to the data summary report.

929

Form !

11/05

Laboratory Name	ITAS-KNOXVIIL
Casa No	EGG 13550

Sample Number

Organics Analysis Data Sheet (Page 2)

AAS894MS

Semivolatile Compounds

00605

Concentration: Low	Medium (Circle One)	GPC Cleanup Clyes ENO
Date Extracted Prepared	12-15-86	Separatory Funnel Extraction
Date Analyzed:	1-9-87	Continuous Liquid - Liquid Extraction GYes MA
Conc/Dil Factor:(0.	030 kg / 2.0ml) 0.9266	
Percent Mojetura (Decent	NA NA	

< > = matrix spike

CAS Number	7	(Circle One)
108-95-2	Phenoi	1500.
111-44-4	bist-2-ChloroethvllEther	660.4
95-57-8	2-Chiarophenal	X 1800 >
541.73.1	1 3-Dichloropenzene	660.4
106-46-7	1 4-Dichlorobenzene	950.
100-51-6	Benzyl Alcohof	660.4
95-50-1	1 2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39538-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylpheno	¥
621-64-7	N-Nitroso-Di-n-Propylamine	K 490. >
67-72-1	Hexachlorgethane	660.4
98-95-3	Nitropenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-67-9	2, 4-Dimethylphenol	¥
65-85-0	Benzoic Acid	3200.U
111-91-1	bist-2-ChloroethoxylMethane	460.U
120-83-2	2, 4-Dichlarophanol	- 660 u
120-82-1	1, 2, 4-Trichloropenzene	890.
91-20-3	Maghthalene	660.4
105-47-8	4-Chloroanitine	
87-68 3	Hezachloroputadiene	₩
59-50-7	4-Chloro-3-Methylphenol	1700.
91-57-6	2-Methylnaphthalene	660, u
77-47-4	Hexachlorocyclopentsdiene	660. U
88-05-2	2. 4 6-Trichlorophenol	66a n
95 95-4	2, 4, 5-7 Horophenol	₹30. 4
91-58-7	2-Chioranaphinalene	660 U
88-74-4	2-Nitroaniline	3200.U
131-11-3	Dimethyl Phthalate	660.U
208-95-8	Acenaphthylene	660.4
99-09-2	3-Nitroaniline	32004

CAS Number		ug/loug/Xg (Circle One)
83-32-9	Acenaphtnene	< 940.
51-28-5	2, 4-Dinitrophenoi	3200.4
100-02-7	4-Nitrophenol	< 220° >
132-64-9	Dibenzofuran	660.4
121-14-2	2 4-Dinitrotoluene	792
606-20-2	2, 6-Dinitratoluene	660.4
84-66-2	Dietnylohthalate	
7005-72-3	4-Chlorophenvi-phenvietner	
36-73-7	Fluorene	Ψ
100-01-6	4-Nitroanilina	32.00.4
534-52-1	4, 6-Dinitro-2-Methylphenoi	3200.4
85-30-6	N-Nitrosodiphenvlamine (1)	660.4
101-55-3	4-Bromoonenyl-phenylether	
118-74-1	Hexachtoropenzene	V
87-85-5	Pentachlorophenol	K 140.J>
85-01-8	Phenanthrene	640 u
120-12-7	Anthracene	640. u
34-74-2	Di-n-Butylonthalate	4704 B
206-44-0	Fluoranthane	660.14
129-00-0	Pyrene	1300.
35-68-7	Butylbanzylontnalata	440.u
91-94-1	3. 3 Dichlarobenzidine	1300.U
వ6∙35∙3	SenzoalAnthracene	460.U
117-81-7	DISIZ-EthylhexyllPhthalate	
218-01-9	Chrysene	
117-84-0	Di-n-Octyl Phinalate	
205-99-2	Benzablfluoranthene	
207-08-9	Benzakifiuorantnene	·
50-32-8	Benzo(4)Pyrene	
193-39-5	Indenor1 2, 3-edifirene	
53-70-3	Dibenna hlAninracene	
191-24 2	Bentoig hillPerviens	<u> </u>

[1]-Cannot be separated from diphanylamics

Sample Number F5-/ GC F50

Organics Analysis Data Sheet (Page 1)

Volatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 1/15

Date Analyzed: pH 1/15

Percent Moisture: (Not Decanted) 7.3

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	NA
74-83-9	Bromo.nethane	
75-01-4	Vinvi Chloride	
75-00-3	Chloresthane	
75-09-2	Mathylene Chloride	
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichloroethene	
75-34-3	1, 1-Dichlorosthane	
156-60-5	Trans-1, 2-Dichloroethene	
67-66-3	Chloroform	
107-06-2	1, 2-Dichlorgethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichlorcethans	
56-23-5	Carbon Tetrachloride	
108-05-4	Vinyl Acetate	
75-27-4	Bromodichloromethane	V

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	NF
10061-02-6	Trans-1, 3-Oichforopropene	The second
79-01-6	Trichloros:hene	
124-48-1	Dibromochioromeinane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Banzene	
10061-01-5	cis-1, 3-Dichloroprocene	
110-75-8	2-Chloroethylvinvlether	
75-25-2	Bromolorm	
108-10-1	4-Methyl-2-Pentanone	
591-78-6	2-Hexanone	
127-18-4	Tetrachioroethene	
79-34-5	1, 1, 2, 2-Tetrachioroethane	
108-883	Toluene	
103-90-7	Chlorobenzene	
100-41-4	Ethylbenzene	
100-42-5	Styrane	
	Total Xylenes	\vee

Data Senomos Ouckiers

For resorting results to EPA, this following insults qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, this definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value.

- U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concerns stony dilution action. (This is not necessarily the instrument detection limit.). The footbod's should read. U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
- J Indicates an estimated value. This flag is used either where estimating a concentration for tentatively identified compounds where a 1.1 response is assumed or when the mass solicital data indicated the presence of a compound that meets the contribution criteria but the result is less than the specified detection limit but greater than zero (e.g., 10J). If fund of detection is 10 µg/1 and a concontration of 3 µg/1 is calculated report as 3J.
- C. This flag applies to pesticide parameters where this identification has been confirmed by GC MS. Single conjugent pesticides ≥10 ng. ul in the final estract should be confirmed by GC MS.
- 5 This flag is used when the analyte is found in the blank as well as a sample. It indicates possible-probable blank containment on and warms the Gala user to take appropriate action.

her Other specific flags and footnoies may be reduced to prowell define the results. If used, they must be fully described and such describion attached to the data summary report.

93]

form I

44/85

Laboratory Name	ITAS-KNOXVIlle
Case No	EGG 23550

Sample Number FS-1 QC

AAS895MSD

Organics Analysis Data Sheet (Page 2)

Semivolatile Compounds

00619

Concentration: Medium (Circle One) Date Extracted / Prepared

12-15-86

GPC Cleanup DYes 19No

Separatory Funnel Extraction EYes NA

Date Analyzed: __

Continuous Liquid - Liquid Extraction @Yes NA

Conc/Dil Factor: (0.03003 Kg / 2.0ml 10.9266 Percent Maisture (Decanted) _

< > = matrix spike duplicate

108-95-2	CAS Number	,	ug/lorus/Xo
95-57-8	108-95-2	Prenoi	
541-73.1 1 3-Dichlorobenzene 660. W 105-46-7 1 4-Dichlorobenzene 950. 100-51-6 Benzyl Alconol 660. W 95-50-1 1 2-Dichlorobenzene 95.48.7 2-Meinviphenol 39538-32-9 Dist2-chiorosopropyliëther 106-44-5 4-Methyloheno 400. 621-64-7 N-Nitroso-Di-n-Propylamine 400. 67-72-1 Hexachloroethane 660. W 98-95-3 Nitrobenzene 400. 78-59-1 Isophorone 400. 88-75-5 2-Nitrophenol 400. 105-67-9 2-A-Dimethylohenol 400. 105-67-9 2-A-Dimethylohenol 400. 111-91-1 bisi-2-ChioroethoxylMethane 400. 120-83-2 2-A-Dimethylohenol 400. 120-83-2 1-A-Dimethylohenol	111-44-4	bist-2-Chloroeinvilainer	660. u
105-46-7	95-57-8	2-Chlorachenol	K 1800.
100-51-6 Benzyl Alconol 660. U 95-50-1 1 2-Dichloropenzene 95-48-7 2-Methylphenol 39538-32-9 bisi2-chioraisopropyliEther 106-44-5 4-Methylpheno 621-64-7 N-Nitroso-Di-n-Propylamine 4/60-67-72-1 Hexachloroethane 660. U 98-95-3 Nitropenzene 1 1 1 1 1 1 1 1 1	541-73.1	1 3-Dichloropenzene	660.4
95-50-1 1 2-Dichlorobenzane 95-48-7 2-Methylphenol 39538-32-9 bis(2-chloroisopropyličither 106-44-5 4-Methylpheno 621-64-7 N-Nitroso-Di-n-Propylamine 400- 67-72-1 Hexachloroethane 660-u 98-95-3 Nitrobenzane 98-95-3 Nitrobenzane 88-75-5 2-Nitrophenol 105-67-9 2-4-Dimethylphenol 111-91-1 bis(-2-ChloroethoxylMethane 660-u 120-83-2 2-4-Dichlorobenol 120-83-2 2-4-Dichlorobenol 120-82-1 1-2-4-Tichlorobenzane 770- 91-20-3 Naphylaidne 660-u 106-47-8 4-Chloroar line 87-68-3 Hexachlorobultadiene 77-47-4 Hexachlorobultadiene 660-u 95-95-4 2-4-5-Trichlorobeniadiene 660-u 88-06-2 - 2-4-6-Trichlorobeniadiene 660-u 95-95-4 2-4-5-Trichlorobeniadiene 660-u 131-11-3 Olimethyl Phinalate 660-u 208-95-3 Acenboninylen 660-u 208-95-3 Acenboninylen 660-u 208-95-3 Acenboninylen 660-u	105-46-7	1 4-Dichlorobenzene	X 950.
95-48-7	100-51-6	Benzyl Alconol	640. u
39538-32-9 Dist2-chloroisopropylither 106-44-5	95-50-1	1 2-Dichloropenzane	1
106-44-5 4-Methyloheno 9 460-621-64-7 N-Nitroso-Di-n-Propviamine 460-657-72-1 Hexachioroethane 660-u 98-95-3 Nitropenzene 98-95-1 Isophorona 88-75-5 2-Nitrophenol 105-67-9 2-4-Dimethylohenol 105-67-9 2-4-Dimethylohenol 111-91-1 bist-2-ChioroethoxylMethane 660-u 120-83-2 2-4-Dimethylohenol -660-u 120-83-2 2-4-Dimethylohenol -660-u 120-82-1 1-2-4-Tighlorophenol -660-u 120-82-1 1-2-4-Tighlorophenol -660-u 106-47-8 4-Chioroan line 87-68-2 Hexachiorophenol -660-u 150-67-8 4-Chioroan line 87-68-2 Hexachiorophenol -660-u 1500-91-57-6 2-Methylicabnthaliene 640-u 17-47-4 Hexachiorophenol -660-u 1500-91-57-6 2-Methylicabnthaliene 640-u 17-47-4 Hexachiorophenol -660-u 1500-91-57-6 2-Methylicabnthaliene 640-u 17-47-4 Hexachiorophenol -660-u 1500-91-57-6 2-Methylicabnthaliene 640-u 1500-91-57-6 2-Methylicabnthaliene 640-u 1500-91-57-4 2-4-5-frichiorophenol -660-u 1500-91-57-4 2-5-frichiorophenol -660-u 1500-91	95-48-7	2-Methylphenol	
621-64-7 N-Nitroso-Di-n-Propviamine 460. 460. 498-95-3 Nitropenzene 660. 498-95-3 Nitropenzene 78-59-1 Isophorona 88-75-5 2-Nitropenol 105-67-9 2, 4-Cimethylphenol 456-65-65-0 Benzoic Acid 32-00. 4111-91-1 bist-2-ChlorogethoxylMethane 660. 4120-83-2 2, 4-Oichlorophenol -660. 4120-83-2 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-4-7 ichlorophenol -660. 4120-82-1 1, 2-	39538-32-9	bisi2-chioroisopropyliëther	
67-72-1 Mexachloroethane 660. u 98-95-3 Nitrodenzene 78-59-1 Isophorona 88-75-5 2-Nitrodenol 105-67-9 2, 4-Dimethylonenol 65-65-0 Benzoic Acid 32.00. u 111-91-1 bist-2-ChloroethoxylMethane 660. u 120-83-2 2, 4-Dichlorodenol 120-82-1 1, 2-4-Tichlorodenol 106-47-8 4-Chloroar line 87-68-2 Hexachlorobutadiene 790. 91-57-6 2-Methylinabitaliene 790. 91-57-6 2-Methylinabitaliene 640. u 77-47-4 Hexachlorocyclopentadiene 640. u 88-06-2 2 4-6-Trichlorodenol 7500. 91-58-7 2-Chloroar line 640. u 88-06-2 3-4-6-Trichlorodenol 7500. 91-58-7 2-Chloroar line 640. u 31-58-7 2-Chloroar line 660. u 33-74-4 2-Nitroaniline 73-00. u 31-58-7 2-Chloroar line 660. u 208-95-3 Acendoninylen 660. u	106-44-5	4-Methylaheno	1
67-72-1 Mexachioroethane 660. u 98-95-3 Nitrodenzene 78-59-1 Isophorona 88-75-5 2-Nitrodenol 105-67-9 2, 4-Dimethylohenol 65-65-0 Benzoic Acid 32-00. u 111-91-1 bist-2-ChioroethoxylMethane 650. u 120-83-2 2, 4-Diehlorodenol -660. u 120-82-1 1, 2-4-Trichlorodenzene 770.) 91-20-3 Naphthaliune 650. u 106-47-8 4-Chioroan line 87-68-2 Hexachiorobutadiene 770-2 91-57-6 2-Methylinaphthaliene 640. u 77-47-4 Hexachioroevolopentadiene 640. u 95-95-4 2-4-5-Trichlorodenol -660. u 95-95-3 Acendoninvien 660. u	621-64-7	N-Nitroso-Di-n-Propylamine	400.
98-95-3 Nitropenzene 78-59-1 Isophorona 88-75-5 2-Nitropenol 105-67-9 2, 4-Dimethylphenol 65-85-0 Benzoic Acid 32-00, 4 111-91-1 bist-2-ChloroethoxylMethane 650, 4 120-83-2 2, 4-Dichlorophenol -660, 4 120-82-1 1, 2-4-Trichloropenzene 770. 91-20-3 Naphthalivne 650, 4 106-47-8 4-Chloroar line 87-68-2 Hexachlorobutadiene 750-2 91-57-6 2-Methylphenol 1500-2 91-57-6 2-Methylphenol 640, 4 77-47-4 Hexachlorocyclopentadiene 640, 4 77-47-4 Hexachlorocyclopentadiene 640, 4 95-95-4 2-4-5-Trichlorophenol 7000, 4 95-95-4 2-4-5-Trichl	67-72-1	Hexachioroethane	A STATE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN THE PERSON NAMED IN THE PERSON NAMED IN THE PERSON NAMED IN THE PERSON NAMED IN THE PERSON NAMED IN THE PERSON NAMED IN THE PERSON NAMED IN THE PERSON NAMED IN THE PERSON NAMED IN THE PERSON NAMED IN THE PE
88-75-5 2-Nitrophenol 105-67-9 2, 4-Dimethylphenol 32-00.4 111-91-1 bist-2-ChloroethoxylMethane 650.4 120-83-2 2, 4-Dichlorophenol -660.4 120-82-1 1, 2-4-Tichlorophenol -660.4 120-82-1 1, 2-4-Tichlorophenol -660.4 1-20-3 Naphthaline 650.4 106-47-8 4-Chloroan line 87-68-2 Hexachlorophitadiene 95-9-50-7 4-Chloro-3-Methylphenol 91-57-6 2-Methylphenol 91-57-6 2-Methylphenol -660.4 77-47-4 Hexachlorophenol -660.4 88-06-2 - 2-4-6-Trichlorophenol -660.4 88-06-2 - 2-4-6-Trichlorophenol -660.4 95-95-4 2-4-5-Trichlorophenol -660.4 95-95-4 2-4-5-Trichlorophenol -660.4 33-74-4 2-Nitroantine -660.4 33-74-4 2-Nitroantine -660.4 33-74-4 2-Nitroantine -660.4 33-74-4 3-Cenaontinylen -660.4 208-95-8 Acenaontinylen -660.4	98-95-3	Nitrodenzane	1
105-67-9 2. 4-Dimethylonenot 9/ 65-65-0 Benzoic Acid 32.00. 4 111-91-1 bist-2-ChlorocethoxylMethane 6.60. 4 120-83-2 2. 4-Dichlorophenol -6.60. 4 120-82-1 1. 2. 4-Trichlorophenol -6.60. 4 106-47-8 4-Chloroan line 6.60. 4 106-47-8 4-Chloroan line 6.60. 4 106-47-8 4-Chloroan line 6.60. 4 17-47-8 4-Chloroan line 6.60. 4 17-47-4 Hexachlorophenol -6.60. 4 17-47-4 Hexachlorophenol -6.60. 4 18-06-2 - 2. 4.6-Trichlorophenol -6.60. 4 19-59-4 2.4.5-Trichlorophenol -6.60. 4 19-59-4 2.4.5-Trichlorophenol -6.60. 4 13-74-4 2-Nitroantine 32.00. 4 131-11-3 Olimethyl Phinalate 6.60. 4 128-95-8 Acenaoninylen 6.60. 4	78-59-1	Isophorone	
65-85-0 Benzoic Acid 32-00, 4 111-91-1 bist-2-ChlordethoxylMethane 650, 4 120-83-2 2, 4-Dichlordenenol -660, 4 120-82-1 1, 2-4-Tichlordenenol -660, 4 120-82-1 1, 2-4-Tichlordenenol -660, 4 120-82-1 1, 2-4-Tichlordenenol -660, 4 106-47-8 4-Chlorden line 680, 4 11-15-7 2-Chlorden line 680, 4 11-15-8-7 2-Chlorden line 680, 4 131-11-3 0-Imethyl Phinalate 660, 4 128-95-8 Acendoninylen 684, 4 128-95-8 Acendoninylen 684, 4	88-75-5	2-Nitrophenol	
111-91-1 bist-2-ChlorgethoxylMethane 666. u 120-83-2 2, 4-Dightorophenol -660. u 120-82-1 1, 2-6-Trichtorophenol -660. u 120-82-1 1, 2-6-Trichtorophenol -660. u 106-47-8 4-Chlorophenol -680. u 106-47-8 4-Chlorophenol -790. 87-68-2 Hexachlorophenol -790. 91-57-6 2-Methyloaphthalene -790. 91-57-6 2-Methyloaphthalene -640. u 106-47-8 Hexachlorophenol -790. u 1500. u	105-67-9	2, 4-Dimethylphenol	*/
120-83-2 2, 4-Dichlorophenol -660. M 120-82-1 1, 2 4-Trichloropenzene \$70.	65-65-0	Benzaic Acia	3200.4
120-82-1 1. 2 4-Trichlorobenzene \$70. 91-20-3 Naphthaliune \$30. u 106-47-8 4-Chloroan line 87-68-2 Mexachlorobutadiene \$45. u 59-50-7 4-Chloro-3-Methylonenol 1500. u 91-57-6 2-Methyloaphthaliene \$40. u 77-47-4 Hexachlorocovilopentadiene \$30. u 88-06-2 2. 4 6-Trichlorobanol \$300. u 95-95-4 2. 4 5-Trichlorobanol \$300. u 95-95-4 2. 4 5-Trichlorobanol \$300. u 93-74-4 2-Nitroaniline \$300. u 93-74-4 2-Nitroaniline \$300. u 131-11-3 Olimethyl Phinalate \$660. u 208-95-8 Acendoninylene \$660. u 208	111-91-1	bist-2-ChlorgethoxylMethane	650. u
91-20-3 Naphthalene 630. u 106-47-8 4-Chloroan line 87-68-2 Hexachlorobutadiene 59-50-7 4-Chloro-3-Methylonenol 1500 91-57-6 2-Methyloaphthalene 640. u 77-47-4 Hexachlorocyclopentadiene 630. u 88-06-2 2.4.6-Trichlorobenol 76-60. u 95-95-4 2.4.5-Trichlorobenol 7000 91-58-7 2-Chlorobarthalive 650. u 93-74-4 2-Nitroaniline 73-84. u 131-11-3 0-10-10-10-10-10-10-10-10-10-10-10-10-10	120-83-2	2, 4-Dichterenhanel	·6 60. W
106-47-8 4-Chloroar line 87-68-2 Hexachlorobutadiene 59-50-7 4-Chloro-3-Methylphenol (1500) 91-57-6 2-Methylpaphinalene 640.4 77-47-4 Hexachlorocyclopentadiene 640.4 88-06-2 2 4 6-frichlorophenol 660.4 95-95-4 2 4 5-frichlorophenol 70-60.4 95-95-4 2 - Chloronar thalias 650.4 93-74-4 2-Nitroaniline 73-204.4 131-11-3 Olimethyl Phinalate 660.4 208-95-3 Acensoninylen 664.4	120-82-1	11. 2 4-Tichloropenzene	\$70.
87-68-2 Hexachlorobutatione § 59-50-7 4-Chloro-3-Methylphenot (1500) 91-57-6 2-Methylphenot (40.4) 77-47-4 Hexachloreevelopentatione (40.4) 88-06-2 2 4 6-frichlorophenot (76.6), 40 95-95-4 2 4 5-frichlorophenot (76.6), 41 95-95-7 2-Chlorophenot (76.6), 43-74-4 (2-Nitroandine (76.6), 41 131-11-3 Olimethyl Phinalate (660.4) 208-95-8 Acensoninvien (660.4)	91-20-3	Naphrhaiene	630. u
\$9.50.7	106-47-8	4-Chloroar line	
91-57-6 2-Methylnaphthalane 640.4 77-47-4 Hexachloredvolopentadiene 640.4 88-06-2 - 2.4 6-Trichlorophenol . (640.4 95-95-4 2-4-5-Trichlorophenol (300). 91-58-7 2-Chlorophenol (300). 88-74-4 2-Nitroantine 32.64.4 131-11-3 Olimethyl Phinalate 660.4 208-95-8 Acendoninylen 650.4	87-68-3	Hexachlorobutadiene	· ý
77-47-4 Haxachlorecyclopentadiene 640 M 88-06-2 / 2.4 6-Trichiorophanol . (640 M 95-95-4 2.4 5-Trichiorophanol /300, 31-58-7 2-Chiorophan that // 650, M 88-74-4 2-Nitroaniline 73.004 M 131-11-3 Olimethyl Phinalate 660. M 208-95-8 Acendoninylen 660. M	59-50-7	4-Chloro-3-Methylphenol	1500.
77-47-4 Hexachloreevelopentatione 63 mm 88-06-2 2 4 6-frichiprophenol . (合う) N 95-95-4 2 4 5-frichiprophenol 月300	91-57-6	2-Methylnaphthalane	640.4
95-95-4 2-4-5-Frichiprophenoi 1300, 91-58-7 2-Chipropher inalize 330, M 88-74-4 2-Nitroantine 73,004, M 131-11-3 Oimethyl Phinalate 660, M 208-95-8 Acendoninylen 664, M	77-47-4	Haxachiorcovolopentaciene	
95-95-4 2-4-5-frichiprophenoi [300] 91-58-7 2-Chioronadrinaliza \$30.44 88-74-4 2-Nitroandine 32.06.44 131-11-3 Oimethyl Phinalate \$60.42 208-95-3 Acendoninylen \$84.44	88-05-2	2.4 6-Trichiprophenol	· (260. 4)
91-58-7 2-Chioronian that with a second that with a second that with a second that with a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that a second that	95 95-4	2 4 5-Trichiprophanoi	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.
88-74-4 2-Nitroaniline 73-84-4 131-11-3 Oimetrivi Phinalate 660-4 208-95-3 Acendonitivien 680-4	91-58-7	Contraction to the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction o	
208-95-3 Acensonthylen 650, u	89.74.4	2-Nitroaniline	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.
7. 7.	131.11.3	Dimetryl Phinalate	660.4
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	208-95-8	Acensoninylan	650.4
	39-09-2	3-Nitroaniline	Manager of San San Street

CAS Number		ug/loug/K
83-32-9	Acensonthene	K 930.
51-28-5	2. 4-Dinitrophenol	3200. u
100-02-7	4-Nitrophenol	K 700.
132-64-9	Dibenzofuran	660.K
121-14-2	2 4-Dinitratoluene	790.
606-20-2	2 5-Dinitrotoluene	650.v.
84-65-2	Diethylohthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorene	V
100-01-6	4-Nitroaniling	3200.U
534-52-1	4, 6-Dinitro-2-Mathylonenoi	660.K
86-30-6	N-Nitrosodiphenylamine (1)	
101-55-3	4-Bramaphenvi-phenviether	
118-74-1	Hexachiorobenzane	4
87-85-5	Pentachiorophenoi	(110.3)
85-01-8	Phenaninrene	660.4
120-12-7	Anthracene	460.W
34-74-2	Di-n-Butylohthalate	3700. 8
205.44-0	Fluoranthene	660.4
129-00-0	Pyrane	(1100.
85-68-7	Butylbentylphthalate	650.4.
91-94-1	3 3'-Dichloropenzidine	1309. W
56-55-3	BenzolajAnthracene	\$59 4.
117-81-7	ರೀಚ2-Ethylnexyl)Phthalate	1
218-01-9	Chrysene	
117-84-0	Dinn-Octyl Phthalate	
205-99-2	Benzapifluorantnene	
207-08-9	Senzakifluoranthene	
50-32-8	Benzala)Pyrane	
	Indano(1, 2, 3-cd)Pyrane	
	Dibenzia hiAnthracene	
191-24-2	Benzalg h ilPerviene	

Organics	Analysis	Data	Sheet
	IPage 1	1	

AD-5MS

AAGH8MS CCC

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: NA

Date Analyzed: NA

Conc/Dil Factor: NA pH

Percent Moisture: (Not Decanted) 22.9

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethans	NA
74-83-9	Bromomethane	1
75.01-4	Vinvi Chlarida	
75-00-3	Chloroethana	
75-09-2	Methviana Chlorida	
67-64-1	Acerona	
75-15-0	Carbon Disulfida	
75-35-4	1, 1-Dichloroethana	
75-34-3	1, 1-0ichtorosthana	
156-60-5	Trans-1, 2-Dichlorgethene	
67-66-3	Chloroform	
107-06-2	1, 2-Dichtoroetnane	
78-93-3	2-8utanone	
71-55-5	1, 1, 1-Trichloroethane	
56-23-5	Carbon Tetrachloride	
108-05-4	Vinvi Acetate	
75-27-4	Bromodichloromethane	(V

CAS Number		ug/l or ug/Kg (Circle One)
73-87-5	1, 2-Dichloroorooane	NA
10061-02-6	Trans-1 3-Dichtoropropene	
79-01-6	Trichloroethene	
124-48-1	Dibramochlaromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10051-01-5	cis-1, 3-Dichtoropropens	
110-75-8	2-Chloroethylvinylether	
75-25-2	Bramatorm	
108-10-1	4-Methyl-2-Pentanone	
531-78-6	2-Hexanone	
127-18-4	Tetrachloroethene	
79-34-5	1, 1, 2, 2-Tetrachioroeinane	
108-88-3	Toluene	
108-90-7	Chlorobenzene	
100-41-4	Ethvibenzena	
100-42-5	Styrene	
	Total Xylenes	4

Data Reserving Cuelchors

For reporting requires to EPA, the hollowing results much lives are used. Adolesment Rings or from notes exclaming results are encouraged. However, the definition of each Ring must be expected.

Value If the result is a value greater than or equal to the detection limit, report the value

- U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (s.g., LOU) based on necessary concentration / plution action. If his is not necessarily the instrument detection limit.) The lookness anolyd read. U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
- J Indicates an estimated value. This flag is used wither when estimating a concentration for tentatively identified compounds where a 1-1 response is assumed or when the mass specified data indicated the presence of a compound that meets the abendication criteria but the result is less than the specified dataction limit but greater than zero (a.g., 10J). If limit of detection is 10 µg/1 and a concentration of J µg/1 is calculated report as JJ.
- G. This flag accides to passicular parameters where the identification has been confirmed by GC MS. Single component pesticidas 200 ng/ul in the final estract should be confirmed by GC/MS.
- 8 This flag is used when the analyse is found in the blank is world as a service. It indicates possible: prohable blank containmeliant and werns the data user to save appropriate action.

Other specific flags and footnotes may be required to properly defined the results. If used, they must be fully sencribed and such described assached to the data summery report.

Form i

11/85

Laboratory Name	I.T.A.SKNOXVILLE
Casa Na.	ECC 97644

Organics Analysis Data S

Sample Number
AD-5 MS

Organics Analysis Data Sheet (Page 2)

AA6413MS

Semivolatile Compounds

00562

Concentration: (Low Medium (Circle One)

(Circle One) GPC Cleanup DYes ENo

Date Extracted / Prepared: 12-22-86

Continuous Liquid - Liquid Extraction Eves MA

Conc/Dil Factor: (0.03017 kg /1.0 ml) 0.7720

Percent Moisture (Decanted) NA

< > = matrix spike

CAS Number			/I or ug/Kg Circle One)
108-95-2	Phénol	Z	1900.
111-44-4	bist-2-ChloroethyllEther		330·U
95-57-8	2-Chiorophenol	3	1700.
541-73-1	1 3-Dichlorobenzene		330.U
105-46-7	1 4-Dichloropenzene	K	1000.
100-51-6	Benzyi Alcohol		330.U
95-50-1	1 2-Dichlorobenzene		
95-48-7	2-Methylphenoi		
39538-32-9	bis(2-chloro(sopropyl)Ether		
105-44-5	4-Methylphenol		4
521-54-7	N-Nitroso-Di-n-Propylamine	K	480.
67-72-1	Hexachioroethana		330.U
98-95-3	Nitropenzene		
78-59-1	Iscanorone		
88-75-5	2-Nitrophenol		
105-67-9	2 4-Dimethylphenol		¥
65-85-0	Benzaic Acid		1600.U
111-91-1	bist-2-ChloroethoxvlMethane		330. u
120-83-2	2, 4-Dichlorophenal		330. u
120-82-1	1, 2, 4-Trichloropenzane	K	1100.
91-20-3	Naphthalene		332.u
106-47-8	4-Chioroaniine		
87-68-3	Hexachlorobutadiene		V
59-50-7	4-Chioro-3-Methylphenol	K	1800.
91-57-6	2-Methylnaphthalene		330.4
77-47-4	Hexachlorocyclopentadiene		
88-06-2	2, 4, 5-Trichlorophenol		14
95-95-4	2, 4 5-Trichlerophenol		1600.4
91-58-7	2-Chloronaphinalene		3)0.4
88.74-4	2-Nitroaniline		1500.4
131-11-3	Dimethyl Phthalate		330.4
203-95-8	Acenzonthylene		330.W
39-09-1	3-Nitroaniline		1600.u

CAS		ug/læug/Kg
Number		(Circle One)
83-32-9	Acenaphthene	< 1100. D
51-28-5	2, 4-Dinaraphenol	1600.4
100.02.7	4-Nitrophenol	1000. 3
132-64-9	Dibenzofuran	330.u
121-14-2	2 4-Dinitrotoluens	770.
606-20-2	2, 6-Dinitratoluene	330. 4
84-66-2	Diethylphthalate	
7005-72-3	4-Chlorophenvl-phenylether	
86-73-7	Fluorene	Ą
100-01-6	4-Nitroaniline	1600.4
534-52-1	4, 6-Dinitro-2-Methylphenol	1600.4
85-30-5	N-Nitrosodiphenvlamine (1)	336.4
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachioropenzene	4
87-85-5	Pentachiorophenol	2100.
85-01-8	Phenanthrene	330. uj
120-12-7	Anthracene	330.4
84-74-2	Di-n-Butylphthalate	70.58
206-44-0	Fluoranthane	P. 01E
1.29-∞-0	Pyrane	< 730· ≥
35-68-7	Butylbenzylonthalate	330.14
91-94-1	3, 3'+Oichioropenzidine 😁	660. 4
56-55-3	SenzolaiAnthracene	330.4
117-81-7	bist2-EthythexyllPhthalate	
218-01-9	Chrysane	
117-84-0	Di-n-Octyl Phinalate	
205-99-2	Benzoblflyoranthene	
207-08-9	Benzak)Fluoranthene	
50-32-B	BenzolaiPyrene	
193-39-5	Indenol 1 . 2 . 3-cdlPyrene	
53.70.3	Dibenzia hlAnthracene	
191-24-2	Senzoig in liPerviene	1 4

(1)-Cannot be separated from diphenviamine

Laborator	y Name	ITAS	Knoxville	
Case No		EGG	23609	

Sample Number AD-5 MS

Organics Analysis Data Sheet (Page 3)

Pesticide/PCBs

00564

Concentration (Low Medium (Circle One)	GPC Cleanup □Yes ÞNo
Date Extracted / Prepared 12-22-86	Separatory Funnel Extraction
Date Analyzed 1-10, 11-87	Continuous Liquid - Liquid Extraction @Yes
Conc (Dil Factor)	
Percent Moisture (decanted)	

CAS Number		Ug/I on Ug/Kg (Circle One)
319-84-6	Alona SHC	NA
319-85-7	Bata-BHC	
319-86-8	Delta-3HC	
53.89.3	Gamma-BHC (Lindane)	
78-44-8	Haptachlor	
309.∞.2	Aldrin	
1024-57-3	Mediachior Epoxide	
353-98-8	Endosuitan I	
80·57·1	Dieldrin	
72-55-9	4.4-00€	
72-20-8	Endrin	
33213-65-9	Endosultan II	
72-54-8	4 4-000	
1031-07-8	Endesultan Sulfate	
50-29-3	4 4 - ODT	
72-43-5	Methoxychior	
53494-70-5	Endrin Katone	
57.74.9	Chlordane	1
8001-35-2	Tozashana	215.0Y
12374-11-2	Arector-1013	100.4
11104-23-2	Arocior-1221	100.U
11141-15-5	Arccior-1232	168.U
53469-21-9	Arector-1242	100.U
12572-23-6	Aroctor-1249	100.U
11037-09-1	Arocior-1234	210.0U
11095-82-5	Aradiar-1250	820. S

- V_i * Volume of extract injected (ul)
- V_g = Volume of water extracted (ml)
- W_g = Weight of sample extracted (g)
- V₁ * Volume of total extract (ul)

٧ <u>.</u>		aw, 30.17a	v, 20000 ul	v. 5.12.24
	S-spiked con	npound		

Organics Analysis Data Sheet

Sample Number ADE MSD AA6419HSD

(Page 1) 00584 Laboratory Name: ITAS - KNOXVILLE EGG 23607 Case No: _ AAGHIGMSD Lab Sample ID No: _ QC Report No: Ash Sample Matrix: __ Contract No: __ W.T. Will 12-19-86 Date Sample Received: __ Data Release Authorized By: Volatile Compounds Concentration: Low Medium (Circle One) NO VOLATILE ANALYSIS MA Date Extracted/Prepared: ___ REQUESTED THIS Date Analyzed: ____ SAMPLE NUMBER N'A Conc/Dil Factor: 22.8 Percent Moisture: (Not Decanted) ...

CAS Number		ug/l or ug/K (Circle One
74.87.3	Chloromethane	NA
74-83-9	Bromomethane	
75-01-4	Vinvt Chloride	
75-00-3	Chloroethane	
75-09-2	Methylene Chloride	
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichlorostnens	
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichlorgetnene	
67-66-3	Chloroform	
107-06-2	1, 2-Dichloroethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichtoroathane	
56-23-5	Carbon Tetrachloride	
108-05-4	Vinyl Acetate	
75-27-4	Bromodichforomethane	4

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	MA
10061-02-6	Trans-1, J-Dichloroprocene	
79-01-8	Trichtoroethene	
124-48-1	Dibromochloromethane	
79.∞0.5	1, 1, 2-Trichlorosthane	
71-43-2	Benzene	
10061-01-5	cis-1, 3-Dichtaropropene	
110-75-8	2-Chloroethylvinylether	
75-25-2	Bramaform	
108-10-1	4-Methyl-2-Pantanone	
591-78-6	2-Hexanone	
127-18-4	Tetrachloroethene	
79-34-5	1, 1, 2, 2-Tetrachioroethane	
108-88-3	Toluena	
108-90-7	Chioropenzene	
100-41-4	Ethylbenzena	
100-42-5	Styreno	
	Total Xvienes	¥

Data Reporting Qualifiers

For responsing resource to EPA, the following resource qualifiers are used. Additional flavor or femologies evolutions results are encourteed. However, the defendion of sect flag must be suplicat.

report the value

- Indicates compound ones analyzed for but not detected. Report the hum detection is mit for the sample with the U (e.g., 10U) based an nucleusary concentration/dilution action. (This is not necessarily the instrument detection limit.) The feelingin should read U-Compound was analyzed for but not detected. The member is the runimum attainable detection limit for the sample
- indicates an estimated value. This flag is used either isnen estimating a concentration for tentamining identified compounds where a 1-1 response is assumed or richen the mass spectral data indicated the presence of a compound that moves the identification criteria but the result is less than the specified detection limit but greater than zero teig., 1001. If limit of detection is 10 ug/1 and a concentration of 3 µg/1 is calculated, report as 33
- This flag accurate to posticide par arterers where it Been confirmed by GC-MS Single component pasticides≥10 ng/ut in the final extract should be confirmed by GC/MS.
- This flag is used when the analyse is found in the blank as well as a sample. It indicates pessible prontote blank contamination and warns the clair was to take appropriate oction

Other specific flags and footnixes may be reguliered to properly deling the results. If used, they must be fully described and such GetCI-9440H attached to the data summery report

£	or	m	ı
г	v	13	

Laboratory Name	I.T.A.SKNOXVILLE
Case No:	EGG 23 609

Sample Number
AD-5 M5D

Organics Analysis Data Sheet (Page 2)

AAG419MSD

Semivolatile Compounds

00585

Concentration: Low Medium (Circle One)

Date Extracted/Prepared. 12-22-86

Date Analyzed: 1-10-87

Conc/Dil Factor: (0.03031 kg/1.0×1) 0.7720

Percent Moisture (Decanted) NA

GPC Cleanup □Yes ENo

Separatory Funnel Extraction GYeswA

Continuous Liquid - Liquid Extraction @Yes ~A

< > = matrix spike duplicate

108-95-2	1 -	enO eloniOl
	Phenoi	\$ 2300.>
111.44.4	bist-2-ChloroethyllEiner	330·W
95-57-8	2-Chlorophenol	\$ 2050.>
541-73-1	1 3-Dichlorobenzene	370.U
105-45-7	1 4-Dichloropenzene	1200.>
100-51-6	Benzyl Alcohol	330.U
95-50-1	1 2-Dichlarabenzene	
95-48-7	2-Methylphenol	
39635-32-9	bis(2-chloro(sopropyl)Ether	
106-44-5	4-Methylphenoi	4
621-64-7	N-Nitroso-Di-n-Propylamine	< 550.>
67-72-1	Hexachtorostnane	330.u
98-95-3	Nitrobenzene	
78-59-1	Isonhorone	
38-75-5	2-Nitrophenoi	
105-67-9	2, 4-0:methylphenol	V
65-85-0	Benzoic Acid	1600.U
111-91-1	bist-2-ChloroetnoxylMethane	330.4
120-83-2	2, 4-Dichlorophenol	330.4
120-82-1	1, 2, 4-Trichlorobenzene	(1300. >
91-20-3	Naphthalene	330, ы
105-47-8	4-Chloroaniline	
87-68-3	Hexachiorobutadiene	.V
59-50-7	4-Chlora-3-Mathylanenal	(2000.)
91-57-6	2-Methylnaonthalene	330.4
77-47-4	Hexachiorocyclopentaciene	
88-06-2	2, 4, 5-Trich'orophenol	4
95-95-4	2, 4 5-Trichlarponenal	1600 4
91-53-7	2-Chloronsonthaiene	336.4
33-74-4	2-Nitroaniline	1500.4
131-11-3	Dimetrivi Potoalate	330. 4
208-95-8	Acenzoninviene	330.u
99-09-2	3-Nitroaniline	1600.0

CAS		Ų	g/locug/Kg
Number			(Circle Ona
83-32-9	Acenaphthene	5	1300. >
51-28-5	2. 4-Dinitrophenol	<u>L</u>	1600.4
100-02-7	4-Nitrophenol	K	1200. >
132-64-9	Dibenzoluran		326.4
121-14-2	12 4-Dinitrotoluene	5	910.
806-20-2	12 6-Dinitrotoluene		330.4
84-66-2	Diethylohthalate	1	
7005-72-3	4-Chlorophenvl-phonyletner		
36-73-7	Fluorene		ų,
100-01-6	4-Narosniline		1500.4
534-52-1	4, 6-Dinitro-2-Methylphenoi		16004
8a-30-5	N-Nitrosodiphenvlamine (1)		330.4
101-55-3	4-Bromophenyl-phenylether	П	
118-74-1	Hexachiorobenzene		Ţ,
87-85-5	Pantachiorophenol	K	2600.
85-01-8	Phenanthrene		330. u
120-12-7	Anthracene		330. u
84-74-2	Di-n-Butvlphthalate		57.J3
205-44-0	Fluoranthene		330.4
129-∞-0	Pyrene	K	\$ 20.
35-68-7	Butylbenzylphthalate		330.4
91-94-1	3, 3'-Dichtorobenzidine		460. W
56-55-3	BenzolalAnthracene		330.4
117-81-7	bist2-Ethylhexyl)Phthalate		
218-01-9	Chrysene		
117-84-0	Di-n-Octyl Phinalate		
205-99-2	denzabifluoranihene		THE PERSON NAMED IN
207-03-9	Senzo(k)Fluoranthene		
SO-32-8	Benzola)Pyrene		
193-39-5	Indeno(1, 2, 3-cd)Pyrane		AND THE PERSON NAMED OF PERSONS ASSESSED.
53-70-3	Dibenzia blAnthracene		
191-24-2	Banzoig h, ilPerviene		¥

⁽¹⁾⁻Cannot be separated from diphenylamine

Laborator	y Name	ITAS	Knaville	
Case No		EGG	23609	

Sample Number AD-5 MSD

Organics Analysis Data Sheet (Page 3)

00587

Pesticide/PCBs

Concentration (Low Madium (Circle One)	GPC Cleanup CIYes MNo	
Date Extracted / Prepared 12-22-86	Separatory Funnel Extraction	
Date Analyzed1-10, 11 - 87	Continuous Liquid - Liquid Extraction	
Conc (Dil Factor) 15	,	
Parame Manager (danaged)		

CAS Number		ug/lonug/Xg (Circle Une
319-64-6	Alpha-8HC	NA
319-85-7	Seta-SHC	Î
319-86-8	Delta-3HC	
58-89-9	Gamma-9HC (Lindaria)	
75-44-3	Heptachior	
309-00-2	Aldrin	
1024-57-3	Heptachlor Epoxide	
953-98-8	Endosulfan I	
60-57-1	Dielarin	
72-55-9	4.4-008	
72-20-3	Endrin	
33213-65-9	Endosuitan II	
72-54-8	4.4-500	
1031-07-8	Endosulfan Sulfate	
50-29-3	4. 4 - ODT	
72-43-5	Mathoxychior	
53494-70-5	Endrin Katone	
57-74-9	Chloriane	
8CO1-35-2	Tozonene	210.04
12674-11-2	Arottor-1015	100.U
11104-23-2	Arccior-1221	160.U
11141-18-5	Arector-1232	100.U
53469-21-9	Arcetor-1242	100.U
12872-29-5	Arocior-1248	100.U
11097-10-1	Arecker-1254	a10.0U
11035-32-5	Arcelor-1230	940.5

- V₁ * Volume of extract injected (ui)
- Vg * Volume of water extracted (ml)
- W_s = Weight of sample extrasted (g)
- V₁ * Volume of total extract (al)

٧ _{\$}		aw, 30.31a	v, <u>20000, l</u>	v. 5, 2, 2, 2
	S-sniked con	n mund		

Sample Number

Organics Analysis Data Sheet (Page 1)

0312

Lab Sample Sample Matr	Iame: <u>TTAS Kub</u> ID No: <u>A # 6470</u> rix: <u>Lu A TE</u> 2 Authorized By: <u>U/</u>	MSRD	QC Report N Contract No:	EGG 23610 o:	
			Compounds		
	Date Date Conc	entration: Low Extracted/Prepared Analyzed: /Dil Factor: ent Moisture: (Not D	Medium (Cir d: <u>NA</u> NA pH	FOR SAME	_
CAS Number	7	ug/l gr ug/Kg (Circle Ons)	CAS Number		ug/l'er ug/Kg (Circle One)
74-87-3	Chloromethane	MA	78-87-5	1. 2-Dichloropropane	I NA
74-83-9	Bromomethane		10061-02-6	Trans-1, 3-Dichtoropropene	
75-01-4	Vinvi Chloride		79-01-6	Trichloroetnene	
75-00-3	רס והס loroethane		124-48-1	Dibromochloromethane	
75-09-2	Mathviene Chloride		79-00-5	1, 1, 2-Trichloroethane	
67-64-1	Acatona		71.43.2	Benzene	
75-15-0	Carbon Disulfida		10051-01-5	cis-1, 3-Dichloregrowing	
75-35-4	1, 1-Dichlorpathene		110-75-8	2-Chioroethylvinylether	
75-34-3	1, 1-Dichloroethane		75-25-2	Bromoform	
156-60-5	Trans-1, 2-Dichloroethen	9	108-10-1	4-Methyl-2-Pentanone	
67-66-3	Chloroform		531-78-6	2-Hexanone	
107-06-2	1. 2-Dichlorosthans		127-18-4	Tetrachioroethene	
78-93-3	2-Butanone		79-34-5	1, 1, 2, 2-Tetrachioroethane	
71-55-6	1, 1, 1-Trichleroethane		109-88-3	Toluene	

Date Reporting Quisidvore

108-90-7

100-41-4

100-42-5

For reparting models to EPA, the following results qualified are used.

Acceptable flags or footnoise explaining models are encountered. However, the definition of each flag must be explicit.

Value If the result is a value greater than or aquel to the detection limit, report the value

Carbon Tetrachloride

Bromodichloromethana

Vinyl Acatata

56-23-5

75-27-

108-05-4

- U Indicates compound was analyzed for but not detected. Report that minimum detection limit for the sample with the U (e.g., TQU) based on necessary concentration/deution ection. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum sittaneous detection limit for the sample.
- Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounts where a 1.1 response is assumed or when the mass social data indicated the presence of a compound that means the institutional criteria but the result is less than the sopplied detection function greater their zero (a.g., 100). If finit of detection is 10 jig/1 and a concentration of 3 jig/1 is calculated, report as 3.0.

THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE S

C. This flog-popules to desticate parameters where the identification has been confirmed by GC-MS. Single component pesticities ≥10 reg/ull in the final extract should be confirmed by GC-MS.

Chlorobanzena

Ethylbantane

Total Xvienes

Styrene

- 8 This flag is used when the analyse is found in the blank as well as a sample. It indicates possible prohable blank containmation and within the data user to take appropriate action.
- Other specific flags and footnotes may be required to properly defined the results. If used, they must be fully described and such describing attached to the data summary report.

Form I

11/85

Laboratory Name	I.T.A.SKNOXVILL	<u>E</u>
Case No:	EGG 23610	

0313
Sample Number
WBI. MS
AA6470 MSRP

Organics Analysis Data Sheet (Page 2)

Semivolatile Compounds

Concentration:	Low Medium (Circle One)
Date Extracted /P	epared: 1-15-87
Date Analyzed: _	1-17-67
Conc/Dil Factor:	0.56/2.0 ml
Percent Moisture	(Decanted) NA

GPC Cleanup DYes ENo

Separatory Funnel Extraction (EYes

Continuous Liquid - Liquid Extraction ExestA

< > = Matrix spike

CAS Number		ug/l or ug/Kg (Circle One)
108-95-2	Phenoi	< 62. >
111-44-4	bist-2-ChloroethyllEther	10.4
95-57-8	2-Chiprophenol	(150. >
541-73-1	1 3-Dichloropenzene	10.4
105-46-7	1 4-Dichlorobenzene	₹ 82. >
100-51-5	Senzyi Alcono!	10.4
95-50-1	1, 2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39538-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylphenol	4
621-64-7	N-Nitroso-Di-n-Propylamine	X 48. >
67-72-1	Hexachiorosthane	10.u
98-95-3	Nitropenzene	
78-59-1	Isconorone	
88-75-5	2-Nitrophenol	
105-57-9	2, 4-Dimethylphenol	₩
65-85-0	Benzoic Acid	50.u
111-91-1	bist-2-Chloroethoxy)Methane	10.4
120-83-2	2, 4-Dichiprophenol	10.4
120-82-1	1, 2, 4-Trichlorobenzene	86. >
91-20-3	Naphthalene	104
106-47-8	4-Chioroaniine	
87-68-3	Hexachlorobutadiene	4
59-50-7	4-Chloro-3-Methylphenol	58.
91-57-6	2-Methylnaphthalene	10.4
77-47-4	Hexachlorocyclopentaciene	
88-06-2	2, 4, 6-Trichtorophenol	V
95-95-4	2, 4, 5-Trichlorophenol	50.4
91-58-7	2-Chloronaonthalene	10.4
83-74-4	2-Nitroaniline	50.U
131-11-3	Dimethyl Phihalate	10.4
208-95-8	Acanaphthylane	10.4
99-09-2	3-Nitroaniline	50.4

CAS Number		é	g/l ar ug/Kg (Circle One)
83·32·9	Acenaghthene		110. >
51-28-5	2. 4-Dinitrophenol	~	
100-02-7			50.U.
	4-Nitrophenol	ightharpoonup	
132-54-9	Dibenzofuran	<u> </u>	75 D
121-14-2	2 4-Dinitrotoluane		
605-20-2	z. 6-Dinitrotaluene	 	10·u
34-65-2	Diethylchthalate	<u> </u>	
7005-72-3	4-Chlorophenvi-phanvietner		
35-73-7	Fluorene	<u></u>	4
100-01-8	4-Nitroaniline	1	50.4
534-52-1	4, 6-Dinitro-2-Methylphenol		10.u
86-30-6	N-Nitrosodiphenvlamine (1)		6. J
101-55-3	4-Bromophenyl-phenylether		10.ц
118-74-1	Hexachioropenzene		15.4
37-86-5	Pentachiorophenoi	K	120.
25-01-8	Phenanthrene		Юц
120-12-7	Anthracene		
84-74-2	Di-n-Butylphthalate		
205-44-0	Fluoranthene		Ý
129-00-0	Pyrene .	K	5.9.
85-68-7	Butyloenzylontnalate		10.4
91-94-1	3, 3'+Dichlorobenzidine .		30.u
56-55-3	BenzolalAnthracene		10.4
117-81-7	bis(2-Ethylnexyl)Phthalate		ſ
218-01-9	Chrysene	Ī	
117-84-0	Di-n-Octyl Phthalate	T	
205-99-2	Benzdolřiuorantnene	T	
207-03-3	Benzo(k)Fluoranthene		
50-32-8	BenzolalPyrene -		
193-39-5	Indeno(1, 2, 3-cd)Pyrene		
53·70·3	Dibenzia h)Anthracene		
191-24-2	Banzoid h, ilPerviene		4

(1)-Cannot be separated from diphenylamine

Organics Analysis Data Sheet (Page 1)

		U	336
WBI	MS	<i>D</i>	
A+6	470	۵۵ مم	RP

Laboratory N	lame: ITAS Kno	wille	Case No	EGG 23610	
	ID No:				
			· ·	0:	······································
Sample Mat	rix: uATER				
Data Release	e Authorized By: W.T	Lulan	Date Sample	Received: 12-17-	-86
		Volatile Co			
	Concent	tration: Low	Medium (Cir	cle One)	
	Date Fy	tracted/Prepared:	NA	(No vo	CATILES
			N/A	for for	
•		alyzed:			MPLE
	Conc/D	il Factor:	<i>NA</i> pH)	
	Percent	Moisture: (Not De	canted)	,	
		_			
CAS	_	ug/lorug/Kg	CAS	•	ug/torug/Kg
Number	† 	(enf) elarist	Number		Herrele One)
74-87-3	Chloromethane	NA	78-87-5	1, 2-Dichloropropane	INA
74-83-9	Bromomethane		10061-07-5	Trans-1, 3-Dichtoropropena	
75-01-4	Vinvi Chloride		79-01-6	Trichloroethene	
75-00-3	Ch'oroethane		124-48-1	Dibromochloromethane	
75-09-2	Methylone Chloride		79-00-5	1, 1, 2-Trichtorcethane	
67-64-1	Acatone		71-43-2	Banzene	f [
75-15-0	Carbon Disulfida		10061-01-5	cis-1, 3-Dichloropropene	
75-35-4	1, 1-Dichlorosthene		110-75-8	2-Chloroethylvinylether	
75-34-3	1, 1-Dichloroetnana		75-25-2	Bromotoim	
156-60-5	Trans-1, 2-Dichloroetnene		100-10-1	4-Methyl-2-Pentanone	
67-66-3	Chloroform		591-78-6	2-Hexanone	
107-06-2	1, 2-Dichloroethane		127-18-4	Tetrachloroethene	
78-93-3	2-Butanona		79-34-5	1, 1, 2, 2-Tetrachioroethane	
71-55-6	1, 1, 1-Trichlorgethana		1C8-88-3	Toluene	
56-23-5	Carbon Tetrachioride	1	108-90-7	Chlorobenzene	
108-05-4	Vinyl Acetate		100.41.4	Ethylbenzene	
75-27-4	Bromodichloromethane		100-42-5	Styrene	
				Total Xylenes	t
				**************************************	~~* **********************************

Data Reporting Gualifions

For reserving results to EFA, the following results quelifiers are used.

Addissence Rogs or forences exclusiving results are encouraged. However, the deference of each files invest as exclusive.

Value — If the result is a value greater than or equal to the direction limit, report the value

- I Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U.f.e.g., 1001 based on necessary concentration? delution action. (The is not necessarily the instrument detection limit.) The forinate should read: U-Compound with analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
- J Indicates an estimated value. This flag is used orther when estimating a concentration for tentatively identified compounds where a 1.1 response is assumed or when the mass spectral data indicated the presence of a compound trut meets the sentification criteria but the result is less than the specified detection finit but greater than zero (e.g., 10.1). If time of precion is 10 µg/l and a concentration of 3 µg/l is calculated, region as 3.3.

MONTH OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE P

- The flag appiers to pesticide parameters where the identification has been confirmed by GC-MS. Single component pesticides ≥10 ng/ull in the final extract should be confirmed by GC-MS.
- This flag is used which the analytic is found in the blank as wirth as a sample; it indicates possible prohible blank contamination and warns the data user to take appropriate action.

her Other specific flags and footnoises may be required to properly defined the results. If used, they must be fully described and such description associated to the data summary report.

Form I

11/85

4

Laboratory Name	I.T.A.SKNOXVILLE	•
Case No:	E -G 23610	,

Sample Number

WB1 MSD

AA6470MSDR1

Organics Analysis Data Sheet (Page 2)

Semivolatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted / Prepared: 1-15-\$7

Date Analyzed: 1-17-\$7

Conc/Dil Factor: 0.5 L / 2.0 ml

Percent Moisture (Decanted) NA

GPC Cleanup □Yes ੴNo

Separatory Funnel Extraction (BYes

< > = Matrix spike duplicat

CAS Number		وَلَ	/I or ug/Kg (Circle One)
108-95-2	Phehol	K	74.
111-44-4	bist-2-ChloroethyllEther		10. u
95-57-8	2-Chlorophenol	3	180. >
541-73-1	1 3-Dichlorobenzene		10.4
105-45-7	1 4-Dichlorobenzene	1	96.
100-51-6	Benzyl Alcohol		10.U
95-50-1	1 2-Dichlorobenzene		
95-48-7	2-Methylphenol	Π	
39638-32-9	bis(2-chloroisopropyl)Ether		
106-44-5	4-Methylpheno:	\top	¥
621-64-7	N-Nitroso-Di-n-Propylamine	K	61.
67-72-1	Hexachioroethane	T	10.u
98-95-3	Nitrobenzene		
78-59-1	Iscanorone		
88-75-5	2-Nitrophenol	Π	
105-67-9	2, 4-Dimethylphenol	Ī	4
65-85-0	Benzoic Acid	ì	50.4
111-91-1	bist-2-ChloroethoxylMethane	T	10.u
120-83-2	2, 4-Dichlarophenol	Ĩ	10.u
120-82-1	1, 2, 4-Trichlorobenzene	K	95.
91-20-3	Naphthalena		104
106-47-8	4-Chloroaniline		
87-68-3	Hexachiorobutadiene		¥
59-50-7	4-Chioro-3-Methylphenol	K	100.
91-57-6	2-Methylnaphthalene	Ī	104
77-47-4	Hexachlorocyclopentadiene	T	į
98-05-2	2, 4, 6-Trichlorophenol	i	· ·
95-95-4	2, 4, 5-Trichtorophenol	Ī	50.4
91-58-7	2-Chloronaphthaiene		10.4
88-74-4	2-Nitroaniline		50.u
131-11-3	Dimethyl Phthalate		10.4
208-95-9	Acenaonthylene		10.4
99-09-2	3-Nitroaniline		50.U

CAS			/I or ug / Kg
Number			(Circle One)
83-32-9	Acenaphtnene	Κ.	110.
51-28-5	2. 4-Dinitrophenol	<u> </u>	50.4
100-02-7	4-Nitrophenol	8	34.
132-64-9	Dibenzoluran		10.4
121-14-2	2 4-Dinitrotoluene	5	92. 🔊
605-20-2	2 5-Dinitrotaluene		10·u
84-65-2	Diethylphthalate		
7005-72-3	4-Chlorophenyl-phenylether		
86-73-7	Fluorene		*
100-01-6	4-Nitroaniline		50.4
534-52-1	4, 6-Dinitro-2-Methylphenol		10.u
85-30-6	N-Nitrosodiprienvlamine (1)		スゴ
101-55-3	4-Bromophenvi-phenylether		10.4
118-74-1	Hexachicropenzene		10.0.
87-86-5	Pentachiorophenol	K	200.
85-01-8	Phenanthrene		pu
120-12-7	Anthracene		
84-74-2	Di-n-Butylphthalate		
206-44-0	Fluoranthena		¥
129-00-0	Pyrane	K	98 . >
85-68-7	Butylbenzylphthalate		10·U
91-94-1	3. 3'-Dichlorobenzidine		20.U
55-55-3	BenzojalAnthracene		10.U
117-81-7	pis(2-Ethylhexyl)Phthalate		
213-01-9	Chrysene ·		
117-84-0	Di-n-Octyl Phinalate		
205-99-2	SenzoloFluoranthene		
207-Ca-9	Benzo(k)Fluoranthene		
50-32-8	Senzo(a)Pyrane		
193-39-5	Indeno(1, 2, 3-cd)Pyrene		
53-70-3	Dibenzia hlAnthracene		
191-24-2	Benzoig, h. i)Perviene		

(1)-Cannot be separated from diphenylamina

Sample Number PoTW WS

Organics Analysis Data Sheet (Page 1)

0302

Lab Sample ID No:	Laboratory	Name:ITAS - Kinoxi	ville	Case No:	EGG 23610		
Sample Matrix: Contract No: Data Release Authorized By: U.7. Color Date Sample Received: 12-17-94 Volatile Compounds Concentration: Low Medium (Circle One) Date Extracted/Prepared: ALA Date Analyzed: Percent Mosture: (Not Decanted) NA Percent Mosture: (Not Decanted) NA CAS Number CAS Number CAS Number CAS Number Circle One) 74-83-9 Bromomethane 75-01-4 Vinvi Chloride 75-00-3 Chlorosthane 75-09-2 Methylene Chloride 75-09-2 Methylene Chloride 75-15-0 Carbon Disulfide 75-15-0 Carbon Disulfide 75-34-3 1 1-Dichlorosthane 75-34-3 1 1-Dichlorosthane 110-75-8 2-Chlorosthane 156-60-5 Trans-1, 2-Dichlorosthane 110-75-8 2-Chlorosthane 110-75-8 1. 1. 2-Tritablorosthane 110-75-8 1. 1. 2-Tritablorosthane 110-75-8 3-Chlorosthane 110-75-8 3-Chlorosthane 110-75-8 3-Chlorosthane 110-75-8 3-Chlorosthane 110-75-8 3-Chlorosthane 110-75-8 1. 1. 2-Tritablorosthane 110-75-8 3-Chlorosthane	1 - 5 10 No. 0696 S1						
Date Release Authorized By: U) - T Color Date Sample Received: 12-17-96	Lab Sample	Lab Sample ID No.			,		
Cas Date Extracted/ Prepared: Date Extracted/ Prepared: Date Analyzed: Date Analy	Sample Ma	trix: Carer					
Cas	Data Releas	se Authorized By: 4)-7-	androw)	Date Sample	Received: 12-17-8	36	
Date Extracted/Prepared: Date Analyzed: Date Analyzed: Date Analyzed: Date Analyzed: Date Analyzed: Date Analyzed: Decanted D			Volatile Co	mpounds			
Date Analyzed: PH N A Percent Moisture: (Not Decanted) N Percent Moisture: (Not Deca		Concent	ration: Low	Medium (Cir	cle One)		
Date Analyzed: PH N A Percent Moisture: (Not Decanted) N Percent Moisture: (Not Deca		Date Ext	racted/Prepared:	_ N.C			
Conc/Dil Factor:				1			
Percent Moisture: (Not Decanted) N			•	,	Δ		
CAS Number Circle One) Number Num							
CAS Number Circle One) Number Num		Percent I	Moisture: (Not De	canted)^	<u> </u>		
CAS Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas Number Cas							
10051-02-6 Trans-1, 3-Dichloroproposed 175-01-4 Vinyl Chloride 79-01-6 Trichloroethene 124.48-1 Dibromochloromethane 124.48-1 Dibromochloromethane 175-09-2 Methylane Chloride 79-00-5 1, 1, 2-Trichloroethane 175-15-0 Carbon Disulfida 10061-01-5 Cis-1, 3-Dichloroproposed 10061-01-5 Cis-1, 3-Dichloroproposed 110-75-8 2-Chloroethylane 110-75-8 2-Chloroethylane 110-75-8 2-Chloroethylane 126-10-1 4-Methyl-2-Pentanone 127-18-6 3-Hexanone 127-18-6 2-Hexanone 127-18-6 1, 1, 2-Tetrachloroethane 127-18-4 Tetrachloroethane 127-18-4 Tetrachloroethane 127-18-6 1, 1, 1-Trichloroethane 108-93-3 2-Butanone 108-93-5 1, 1, 2-Tetrachloroethane 108-90-7 Chlorobensed		,		• • • •	(ug/) or ug/Kg (Circle One)	
75-01-4 Vinvi Chioride 79-01-6 Trichloroethene 75-09-3 Chioroethane 124-48-1 Dibromochloromethane 75-09-2 Metnylene Chloride 79-00-5 1, 1, 2-Trichloroethane 67-64-1 Acatone 71-43-2 Benzene 75-15-0 Carbon Disulfida 10061-01-5 cis-1 3-Dichloroethane 75-35-4 1, 1-Dichloroethane 110-75-8 2-Chioroethylvinvlether 75-34-3 1, 1-Dichloroethane 75-25-2 Bromoform 156-60-5 Trans-1, 2-Dichloroethane 108-10-1 4-Methyl-2-Pentanone 67-66-3 Chicroform 591-78-6 2-Hexanone 107-06-2 1, 2-Oichloroethane 127-18-4 Tetrachloroethane 78-93-3 2-Butanone 79-34-5 1, 1, 2, 2-Tetrachloroethane 71-55-6 1, 1, 1-Trichloroethane 108-98-3 Toluene 56-23-5 Carbon Tatrachloride 108-90-7 Chiorobenzene 108-05-4 Vinyi Acetate 100-41-4 Ethylbenzene 75-27-4 Bromodichloromethane 100-42-5	74-87-3	Chioromethane	11/2	78-87-5	1, 2-Dichloropropane	NA	
124-48-1 Dibromochloromethane 124-48-1 Dibromochloromethane 75-09-2 Methylane Chloride 79-00-5 1, 1, 2-Trichloroethane 79-00-5 1, 1, 2-Trichloroethane 71-43-2 Benzene 71-43-2 Benzene 71-43-2 Benzene 71-43-2 Benzene 71-43-2 Benzene 75-15-0 Carbon Disulfida 10061-01-5 cis-1, 3-Dichloroorobene 75-35-4 1, 1-Dichloroethane 110-75-8 2-Chloroethylvinvlether 75-34-3 1, 1-Dichloroethane 75-25-2 Bromoform 75-25-2 Bromoform 75-66-3 Chloroform 75-78-6 2-Hexanone 79-78-6 2-Hexanone 79-78-6 2-Hexanone 79-78-6 1, 1, 1-Trichloroethane 79-34-5 1, 1, 2, 2-Tetrachloroethane 79-34-5 1, 2, 2-Tetrachloroethane 79-34-5 1, 2, 2-Tetrachloroethane 79-34-5 1, 2, 2-Tetrachloroethane 79-34-5 1, 2, 2-Tetrachloroethane 79-34-5 1, 2, 2-Tetrachloroethane 79-34-5 1, 2, 2-Tetrachloroethane 79-34-5 1, 2, 2-Tetrachloroethane 79-34-5 1, 2, 2-Tetrachloroethane 79-34-5 1, 2, 2-Tetrachloroethane 79-34-5 1, 2, 2-Tetrachloroethane 79-34-5 1, 2, 2-Tetrachloroethane 79-34-5 1, 2, 2-Tetrachloroethane 79-34-5 1, 2, 2-Tetrachloroethane 79-34-5 1, 2, 2-Tetrachloroethane 79-34-5 1, 2, 2-Tetrachloroethane 79-34-5 1, 2, 2-Tetrachloroethane 79-34-5 1, 2, 2-Tetrachloroethane 79-34-5 1, 2, 2-Tetrachloroethane 79-34-5	74-83-9	Bromomethane		10061-02-6	Trans-1, 3-Dichloropropene		
75-09-2 Metnylane Chloride 79-00-5 1, 1, 2-Trichloroethane 67-64-1 Acatone 71-43-2 Benzene 75-15-0 Carbon Disulfida 10061-01-5 cis-1, 3-Dichloroethane 75-35-4 1, 1-Dichloroethane 110-75-8 2-Chloroethylvinvlether 75-34-3 1, 1-Dichloroethane 75-25-2 Bromoform 156-60-5 Trans-1, 2-Dichloroethane 108-10-1 4-Methyl-2-Pentanone 67-66-3 Chloroform 591-78-6 2-Hexanone 107-06-2 1, 2-Oichloroethane 127-18-4 Tetrachloroethane 78-93-3 2-Butanone 79-34-5 1, 1, 2, 2-Tetrachloroethane 71-55-6 1, 1, 1-Trichloroethane 108-98-3 Toluene 56-23-5 Carbon Tatrachloride 108-90-7 Chlorobenzene 108-05-4 Vinyl Acetate 100-41-4 Ethylbenzene 75-27-4 Bromodichloromethane 100-42-5 Styrene	75-01-4	Vinyl Chloride		79-01-6	Trichloroethene		
67.64-1 Acetone 71-43-2 Benzene 75-15-0 Carbon Disulfida 10061-01-5 cis-1 3-Dichlorogropene 75-35-4 1, 1-Dichloroethane 110-75-8 2-Chioroethylynylether 75-34-3 1, 1-Dichloroethane 75-25-2 Bromoform 156-60-5 Trans-1, 2-Dichloroethane 108-10-1 4-Methyl-2-Pentanone 67-66-3 Chicroform 591-78-6 2-Hexanone 107-06-2 1, 2-Oichloroethane 127-18-4 Tetrachloroethane 78-93-3 2-Butanone 79-34-5 1, 1, 2, 2-Tetrachloroethane 71-55-6 1, 1, 1-Trichloroethane 108-98-3 Toluene 56-23-5 Carbon Tatrachloride 108-90-7 Chiorobenzene 108-05-4 Vinyl Acetate 100-41-4 Ethylbenzene 75-27-4 Bromodichloromethane 100-42-5 Styrene	75-∞-3	Chloroethane		124-48-1	Dibromochloromethane		
75-15-0 Carbon Disulfida 10061-01-5 cis-1 3-Dichloropropene 75-35-4 1, 1-Dichloroethane 110-75-8 2-Chioroethylyinvlether 75-34-3 1, 1-Dichloroethane 75-25-2 Bromotorm 156-60-5 Trans-1, 2-Dichloroethene 108-10-1 4-Methyl-2-Pentanone 67-66-3 Chicroform 591-78-6 2-Hexanone 107-06-2 1, 2-Oichloroethane 127-18-4 Tetrachloroethene 78-93-3 2-Butanone 79-34-5 1, 1, 2, 2-Tetrachloroethane 71-55-6 1, 1, 1-Trichloroethane 108-98-3 Toluene 56-23-5 Carbon Tatrachloride 108-90-7 Chiorobenzene 108-05-4 Vinyl Acetate 100-41-4 Ethylbenzene 75-27-4 Bromodichloromethane 100-42-5 Styrene	75-09-2	Methylane Chloride		79-00-5	1, 1, 2-Trichloroethane		
75.35-4 1, 1-Dichloroethene 110-75-8 2-Chioroethylivinvlether 75.34-3 1, 1-Dichloroethane 75-25-2 Bromotorm 156-60-5 Trans-1, 2-Dichloroethene 108-10-1 4-Methyl-2-Pentanone 67-66-3 Chicroform 591-78-6 2-Hexanone 107-06-2 1, 2-Oichloroethane 127-18-4 Tetrachloroethene 78-93-3 2-Butanone 79-34-5 1, 1, 2, 2-Tetrachloroethane 71-55-6 1, 1, 1-Trichloroethane 108-98-3 Toluene 56-23-5 Carbon Tatrachloride 108-90-7 Chlorobenzene 108-05-4 Vinyl Acetate 100-41-4 Ethylbenzene 75-27-4 Bromodichloromethane 100-42-5 Styrene	67-64-1	Acetone		71-43-2	Benzene		
75-34-3 1, 1-Dichloroethane 75-25-2 Bromotorm 156-60-5 Trans-1, 2-Dichloroethene 103-10-1 4-Methyl-2-Pentanone 67-66-3 Chicroform 591-78-6 2-Hexanone 107-06-2 1, 2-Oichloroethane 127-18-4 Tetrachloroethene 78-93-3 2-Butanone 79-34-5 1, 1, 2-Tetrachloroethane 71-55-6 1, 1, 1-Trichloroethane 108-88-3 Toluene 56-23-5 Carbon Totrachloride 108-90-7 Chlorobenzene 108-05-4 Vinyl Acetate 100-41-4 Ethylbenzene 75-27-4 Bromodichloromethane 100-42-5 Styrene	75-15-0	Carbon Disulfida		10061-01-5	cis-1, 3-Dichloropropene		
156-60-5 Trans-1, 2-Dichloroethene 103-10-1 4-Methyl-2-Pentanone 67-66-3 Chicroform 591-78-6 2-Hexanone 107-06-2 1, 2-Dichloroethane 127-18-4 Tetrachloroethene 78-93-3 2-Butanone 79-34-5 1, 1, 2-Tetrachloroethane 71-55-6 1, 1, 1-Trichloroethane 108-98-3 Toluene 56-23-5 Carbon Totrachloride 108-90-7 Chlorobenzene 108-05-4 Vinyl Acetate 100-41-4 Ethylbenzene 75-27-4 Bromodichloromethane 100-42-5 Styrene	75-35-4	1, 1-Dichloroethane		110-75-8	2-Chioroethylvinylether		
67-66-3 Chicroform 591-78-6 2-Hexanone 107-06-2 1, 2-Oichlorcethane 127-18-4 Tetrachlorcethene 78-93-3 2-Butanone 79-34-5 1, 1, 2-Tetrachlorcethane 71-55-6 1, 1, 1-Trichlorcethane 108-98-3 Toluene 56-23-5 Carbon Tatrachloride 108-90-7 Chlorcbenzene 108-05-4 Vinyl Acetate 100-41-4 Ethylbenzene 75-27-4 Bromodichloromethane 100-42-5 Styrene	75-34-3	1, 1-Dichloroethane		75-25-2	Bromolorm		
107-06-2 1, 2-0ichloroethane 127-18-4 Tetrachloroethene 78-93-3 2-Butanone 79-34-5 1, 1, 2-7-etrachloroethane 108-98-3 Toluene 108-98-3 Toluene 108-90-7 Chlorobenzene 108-05-4 Vinyl Acetate 100-41-4 Ethylbenzene 100-42-5 Styrene 100-42-5	156-60-5	Trans-1, 2-Dichloroethene		108-10-1	4-Methyl-2-Pentanone		
78-93-3 2-Butanone 79-34-5 1, 1, 2, 2-Tetrachloroethane 71-55-6 1, 1, 1-Trichloroethane 108-98-3 Toluene 56-23-5 Carbon Tetrachloride 108-90-7 Chlorobenzene 108-05-4 Vinyi Acetate 100-41-4 Ethylbenzene 75-27-4 Bromodichloromethane 4 100-42-5 Styrene	67-66-3	Chicroform		591-78-6	2-Hexanone		
71-55-6 1, 1, 1-Trichloroethane 108-98-3 Toluene 56-23-5 Carbon Tatrachloride 108-90-7 Chlorobenzene 108-05-4 Vinyi Acetate 100-41-4 Ethylbenzene 75-27-4 Bromodichloromethane 100-42-5 Styrene	107-06-2	1, 2-Dichloroethane		127-18-4	Tetrachloroethene		
55-23-5 Carbon Tetrachloride 108-90-7 Chlorobenzene 108-05-4 Vinyl Acetate 100-41-4 Ethylbenzene 75-27-4 Bromodichloromethane 4 100-42-5 Styrene	78-93-3	2-Butanone		79-34-5	1, 1, 2, 2-Tetrachloroethane		
108-05-4 Vinyl Acetate 100-41-4 Ethylbenzene 75-27-4 Bromodichloromethane 75-27-4 Styrene	71-55-6	1, 1, 1-Trichloroethane		108-88-3	Toluene		
75-27-4 Bromodichloromethane / 100-42-5 Styrene	56-23-5	Carbon Tatrachloride		108-90-7	Chlorobenzene		
the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	108-05-4	Vinyl Acetate		100-41-4	Ethylbenzene		
Total Xvienes Jr	75-27-4	Bromod-chicromethane	<i>y</i>	100-42-5	Styrene		
					Total Xvienes	L W	

- Slue. If the result is a value greater than or equal to the detection limit,
- indicates compound was analyzed for but not detected. Report that minimum detection limit for the sample with the U(e/g), 10(ii) based on necessary concentration / fillusion action. (This is not racessarity the instrument detection limit). The (optimate should raad. U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified combounds where a 1.1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the wontification criteria but the result is fest than the specified detection limit but greater than zero (e.g., 10J). If limit of detection is 10 µg/l and 4 concentration of 3 µg/l is calculated ireport as 3J.
- C. This flag applies to pesticide parameters where the identification has been confirmed by GC MS. Single component pesticides ≥10 ng. ut in the final extract should be confirmed by GC-MS.
- 8 This flag is used when the analyse is found in the brank as well as a sample. It indicates possible probable brank containination and warms the data user to lots appropriate action.

 Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description strached to the data summary report.

943

Form I

For recoming results to EPA, the following results qualifiers are used. Additionel flags or footnotes excisioning results are encouraged. However, the

definition of sectified must be explicit.

11/85

n	2	n	7

Laboratory Name	TTAS	Knoxville	
Case No	egg 2	3610	

Semple Number
POTW MS

Organics Analysis Data Sheet (Page 3)

Pesticide/PC8s

Concentration Low Medium (Circle One)	GPC Cleanup □Yes ਲ਼ੈNo
Date Extracted / Prepared 12-21-80	Separatory Funnel Extraction XYes
Date Analyzed 1-9,12-87	Continuous Liquid - Liquid Extraction - Yes
Cone Dil Factor 1/20	
Percant Moisture (decented)	

319-84-6	Alona-BHC	
		i NA
319-85-7	3e1a-8HC	
319-86-8	Delta-BHC	
58-89-9	Samma-BHC (Lindane)	
76-44-8	deptachlor	
309-00-2	Aldrin	
1024-57-3	leptachlor Epoxide	
959.98.8 E	ndosulfan l	
60-57-1) ieldrin	
72-55-3	4 -DDE	
72-20-8 E	ndrin	
33213-65-9 E	ndosulfan II	
72-54-8 4	4'-000	
1031-07-8 E	ndosulfan Sulfate	
50-29-3 4	4-007	
72-43-5 A	Aethoxychlor	ĺ
53494-70-5 E	ndrin Katone	
57-74-9 C	hiordane	Ψ
8001-35-2 T	oxaphene	1.04
12574-11-2 A	rector-1016	0.54
11104-18-2 A	roctor-1221	0.54
11141-16-5 A	roctor-1232	0.54
53469-21-9 A	rector-1242	0.50
12672-29-5 A	ractor-1248	o.su
11097-89-1 A	racior-1254	1.04
11056 32-5 A	rector-1250	130. S

- V_i * Volume of extract injected (ul)
- Vg . Volume of water extracted (mi)
- Wg * Waight of sample extracted (g)
- V₁ 2 Volume of total extract (ul)

V _s	500 ~0	or W _s	v. 100000mg	v, <u>5, 2, 2, 11</u>
		compound		

Sample Number POT W MSD

Organics Analysis Data Sheet (Page 1)

Laboratory Name:	QC Report No: Contract No:
Concentration: Date Extracted/i Date Analyzed: _ Conc/Dil Factor:	Prepared: WA pH NA

	,	
CAS Number		ug/l or ug/Ki (Circle Ons
74-87-3	Chloromethane	T NA
74-83-9	Bromomethane	
75-01-4	Vinvi Chloride	
75-00-3	Chlorosthane	
75-09-2	Methylane Chloride	ĺ
57-64-1	Acetone	
75-15-0	Carbon Disuifide	
75-35-4	1, 1-Dichlorpethana	1
75-34-3	1, 1-Oichloroethane	
156-60-5	Trans-1, 2-Dichlorcethene	
67-66-3	Chloraform	
107-06-2	1, 2-Dichloroethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichloroethane	
56-23-5	Carbon Teirachloride	
108-05-4	Vinvi Acetate	
75-27-4	Bromodichtoromethane	4

CAS Numbor		ug/l or ug/Kg (Circle One)
73-87-5	1, 2-Dichtoropropane	411
10051-02-5	Trans-1, 3-Dichlorooropene	
79-01-6	Trichloroethene	
124-48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10051-01-5	cis-1, 3-Dichloropropene	
110 75-8	2-Chloroethylvinviether	
75-25-2	Bromotorm	
108-10-1	4-Methyl-2-Pentanone	
591-78-6	2-Hexanone	
127-18-4	Tetrachioroethene	
79-34-5	1, 1, 2, 2-Tetrachioroeinane	
108-88-3	Toluene	
103-90-7	Chlorobenzene	
100-41-4	Ethylaenzene	
100-42-5	Styrene	
	Total Xylenes	

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each fing must be explained.

- Yalue If the result is a value greater than or equal to the detection limit, report the value.
 - U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the UTerg. 1001 based on indicates proceduration / offution action. (This is not indicate the time instrument detection limit.) The footnote should read. U-Compound was analyzed for but not detected. The number is this minimum attainable detection limit for the sample.
 - J. Indicates an estimated value. This stag is used either when estimating a concentration for tentatively identified compounds where a 1-1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less man the specified detection limit but greater total above 1g 10ut 11 limit of detection is 10 ug 1 and a concentration of 3 ug/1 is calculated report as 3.3.
- This flag applies to pesticide parameters where the identification has been confirmed by GC MS. Single component pesticions ≥10 ng. ul in the final extract should be confirmed by GC MS.
- 5 This flag is used when the analytic is found in the blank as well as a sample. It indicates possible-prohable blank containmention and warns the data user to take appropriate action.

Other Other specific flags and foot organize the required to properly defined the results. It used they must be fully described and swon description attached to the data summary report.

11/85

Form 1 945

		0327
Laboratory Name	ras knowille	Sample Number
Case NoE66	23610	į į
	Ornanice Analysis Data Sheat	POTW MSD

Organics Analysis Data Shoot (Page 3)

Pesticide/PCBs

Concentration (Circle One)	GPC Claanup □Yas ♥No
Date Extracted / Prepared 12-21-80	Separatory Funnel Extraction XYes
Date Analyzed 1-9, 11 -87	Continuous Liquid - Liquid Extraction @Yes
Conc Dil Factor 1/20	
Oncome Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and Manager and	

	(Circle One)
Alona BHC	NA
Beta-BHC	
Delta-BHC	
Gamma-BHC (Lindana)	
Heptachlor	
Algrin	
Magtachior Epoxide	•
Endosulfan I	
Dieidrin	
4 4 -008	
Endrin	
Endosultan II	
4 4-000	
Endosultan Sulfate	
4 4 -001	
Mathoxychior	
Endrin Katone	
Chlordane	\downarrow
Toxachene	1.00
Arector-1016	0.54
Arcelor-1221	0.54
Arcolor-1232	0.54
Arccior-1242	0.50
Aroctor+1248	0.54
Arcolor-1254	1.04
Arector-1260	210. \$
	Beta-BHC Delta-BHC Gamma-BHC (Lindana) Hebtachlor Aldrin Hebtachlor Eboxide Endosulfan I Dieldrin 4 4-DDE Endrin Endosulfan III 4 4-DDD Endosulfan Sulfate 4 4-DDT Mathoxychlor Erdrin Katone Chlordane Toksohene Arcclor-1016 Arcclor-1221 Arcclor-1232 Arcclor-1248 Arcclor-1234

- V, * Volume of extract imported (ut)
- V_g = Volume of water extracted (ml)
- W_s = Waight of sample extracted (g)
- V₁ * Volume of total extract (ul)

٧ <u>,</u>	500 mg	or W _s	n' Toosomp	v. 5.1, 2,11
		compound		

Appendix T., Exhibit 5

Toxaphene/PCB's/Herbicides Analysis Data Summary

Toxaphene/PCB Analysis Data Summary

EGG 23548

Linearity of toxaphene and Aroclor 1016/1260 mix was run at the beginning of the run. Eval B was run at the beginning and after the fifth sample of the run to check for column degradation. The medium level Aroclor 1016/1260 standard and the medium level toxaphene standard were run at the end.

The OADS page 1 was marked NA in the spaces for the single peak pesticides and for chlordane. Analysis of these compounds was not requested and therefore no analysis was performed.

EGG 23549

No method QC samples were prepped with this project.

The samples were composites of stack samples. The units reported were total nanograms (ng). The detection limits were either calculated values or calculated from water CRDLS.

No surrogate was added to these samples.

Samples were analyzed for toxaphene and all the HSL aroclors. The remaining cpds on the HSL pesticide list were marked NA on all OADS report forms (Form I, p. 3) since there was no request for analysis for these compounds.

EGG 23550

There was an extra blank for the pesticide/PC8 samples - a sulfur cleanup blank. Only 3 of the 6 soil samples needed sulfur cleanup so a sulfur blank was added (MBZ).

Analysis for the single peak pesticides and chlordane was not requested and therefore not performed. The corresponding blanks on the OADS form 1, p. 3 have been marked NA.

No spikes were prepped with this project.

EGG 23609

Samples were analyzed for toxaphene and all the HSL arcolors. The remaining cpds on the HSL pesticide list were marked NA on all OADS report forms (Form 1, p.3) since there was no request for analysis for these compounds.

The spiked samples were spiked with a 100 ppm Arccior 1260 standard,

EGG_23610

Analysis was done for Toxaphene and the HSL arcclors only. All other compounds were marked NA on the OADS report sheet (Form I, p.3) since their analysis was not requested.

The spiked samples POTW-MS and POTW-MSD were spiked with 1.0 ml of a 100 ppm Aroclor 1260 standard.

EGG 23512

No method QC samples were prepped with this project.

The samples were composites of stack samples. The units reported were total nanograms (ng). The detection limits were either calculated values or calculated back from water CRDL's.

No surrogate was added to the samples.

Analysis for single peak pesticides and chlordane was not requested and therefore not performed. These were marked NA on the OADS report sheet (Form !, p. 3) with an NA.

For laboratory data sheets, see Page 3 in the BNA laboratory data set, Exhibit 4.

Herbicide Analysis Data Summary

The detection limits for soil samples was increased due to matrix interferences. The low level soil and water samples were repreped in an effort to eliminate these interference. The interference was determined to be from two different sources. Glassware used to prep the soil samples was found to causes interference due to some sort of residue present. This exhibited litself as a large solvent type peak at the beginning of the chromatograms. The second source of interference was the feed stock samples themselves. These samples contained such high levels of herbicide that any glassware used to prep them exhibited carryover even after the glassware was washed and solvent rinsed. The carryover problem was solved by acid washing, high temperature annealing, and additional solvent rinsing.

Laboratory ID: ITAS Knoxville Case: ECAG Concentration Units: ug/kg

Pesticide/PCB/Herbicide Data Summary Feed Stock Samples

U - Not Detected. The value reported is the required detection limit. J - Detected, but at a level less than the required detection limit. This is an estimated value.

Laboratory ID: ITAS Knoxville Case: EG&G Concentration Units: ug/kg

Pesticide/PCB/Herbicide Data Summary Soil Samples

BS-1	170.0 U 87.0 U 87.0 U 87.0 U 87.0 U 170.0 U 170.0 U	
AD-6	210.0 U 110.0 U 110.0 U 110.0 U 110.0 U 210.0 U 210.0 U 20.0 U	
AD-5	210.0 U 120.0 U 100.0 U 100.0 U 100.0 U 210.0 U 210.0 U 20.0 U	
AD-3	210.0 U 100.0 U 100.0 U 100.0 U 100.0 U 210.0 U 210.0 U 20.0 U	
AD-2	210.0 U 110.0 U 110.0 U 110.0 U 110.0 U 210.0 U 210.0 U 20.0 U	
AD-1	200.0 U 98.0 U 98.0 U 98.0 U 200.0 U 200.0 U 200.0 U 200.0 U 200.0 U 200.0 U	
Analyte	TOXAPHENE PCB 1016 PCB 1221 PCB 1232 FCB 1242 PCB 1248 PCB 1254 PCB 1254 PCB 1254 PCB 1250 2,4-D	

U - Not Detected. The value reported is the required detection limit.

J - Detected, but at a level less than the required detection limit. This is an estimated value.

	MD CM	1.0 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.1 0.1
	WB1	1.0 0.5 0.5 0.5 0.5 0.5 1.0 1.0 0.1
ita Summary	POTW	1.0 U 0.5 U 0.5 U 0.5 U 0.5 U 1.0 U 1.0 U
Pesticide/PCB/Herbicide Data Summary Water Samples	ENT-6	1.0 U 0.5 U 0.5 U 0.5 U 0.5 U 1.0 U 1.0 U
iticide/PCB/ Wat	ENT-5	1.0 U 0.5 U 0.5 U 0.5 U 0.5 U 1.0 U 1.0 U
Pes	ENT-2	1.0 U 0.5 U 0.5 U 0.5 U 0.5 U 1.0 U 1.0 U 1.0 U
oxville 3/L	ENT-1	1.0 U 0.5 U 0.5 U 0.5 U 1.0 U 1.0 U 1.0 U 0.8 U
Laboratory ID: ITAS Knoxville Case: EC1G Concentration Units: ug/L	ENT-B	1.0 U 0.5 U 0.5 U 0.5 U 0.5 U 1.0 U 1.0 U
Laboratory ID: ITAS Knoxv. Case: EG4G Concentration Units: ug/L	Analyte	TOXAPHENE PCB 1016 PCB 1221 PCB 1232 PCB 1248 PCB 1248 PCB 1254 PCB 1254 PCB 1263 2,4-D

U - Not Detected. The value reported is the required detection limit.

J - Detected, but at a level less than the required detection limit. This is an estimated value.

Laboratory ID: ITAS Knoxville Case: EG4G Concentration Units: ng

Pesticide/PCB/Herbicide Data Summary Stack Samples

TB1k 791	U 1888.6 U 588.6 U 588.6 U 588.0 U 588.0 U U 588.0 U U U 1888.6 U U 1888.6 U U U 1888.6 U U 1888.6 U U 1888.6 U U 1888.6 U U 1888.6 U U 1888.6 U U 1888.6 U U 1888.6 U U 1888.6 U U 1888.6 U U 1888.6 U U 1888.6 U U 1888.6 U U 1888.6 U U 1888.6 U U 1888.6 U U 1888.6 U U 1888.6 U U 1888.6 U U 1888.6 U U 1888.6 U U U 1888.6 U U U 1888.6 U U U U U U U U U U U U U U U U U U U
XAD Blk	1100.0 U 500.0 U 9400.0 U 500.0 U 500.0 U 500.0 U 1000.0 U
VB-6-XAD	2200.0 U 750.0 U 9400.0 U 510.0 U 500.0 U 1000.0
VB-5-XAD	4400.0 U 1500.0 U 9400.0 U 1000.0 U 580.0 U 1300.0 U 1000.0 U 1000.0 U
VB-3-XAD	1100.0 U 500.0 U 9400.0 U 500.0 U 500.0 U 1000.0 U 1000.0 U
VB-2-XAD	1100.0 U 500.0 U 500.0 U 500.0 U 500.0 U 500.0 U 1000.0 U 1000.0 U
VB-1-XAD	1100.0 U 500.0 U 500.0 U 500.0 U 500.0 U 1000.0 U
Analyte	TOXAPHEME PCB 1016 PCB 1016 PCB 1221 PCB 1242 PCB 1248 PCB 1254 PCB 1260 2,4-D 2,4,5-T

- Concentration Units: ug

U - Not Detected. The value reported is the required detection limit. J - Datected, but at a level less than the required detection limit. This is an estimated value.

Laboratory ID: ITAS Knoxville Case: ECLG

Pesticide/PCB/Herbicide Data Su.war; Filter Samples

17967 17966 1.0 1.0 U 0.1 U 17964 17963 2.3 1.0 U 0.2 17962 14749 $\frac{1.2}{2.3}$ 1.0 U 1.7 14822 1.0 U 0.3 U 14821 Concentration Units: ug 14823 2.3 2,4-D 2,4,5-T Analyte

1.0 U 0.1 U

1.0 U 0.1

17968

U - Not Detected. The value reported is the required detection limit.

J - Detected, but at a level less than the required detection limit. This is an estimated value.

Laboratory	Name -	ITAS - Knoxville -
		23550

Sample Number F5-/

Organics Analysis Data Sheet (Page 3)

040

Pesticide/PCBs

Concentration * Low Medium (Circle One)	GPC Cleanup OYes MNo
Date Extracted / Prepared: 13/17/86	Separatory Funnel Extraction Yes
Date Analyzed:	Continuous Liquid - Liquid Extraction DYes
Cone (Dil Factor) 10. 70 1100000.	
Percent Moisture (decanted)	

CA5 Number		ug/l or ug/Kn
1923-38-7	1 2,4-0 M.E.	156000.
	12,4,5-T M.E.	100000.
	!	

V. . Valume of sarrast myschod (wl)

V_g = Voluma & water emirered (ml)

W. . Vesigm of samele emiscial (a)

Y, Volume of total enract (ul)

4. Modified projece merchiva.

Form 1

Laboratory Name 17AS - Knoxvilla

Case No EGG 23550

Semple Number F5-2

Organics Analysis Data Sheet (Page 3)

059

K.

Pesticida/PCBs

Concentration * Low Medium (Circle One)	GPC Cleanup DYes WNo
Date Extramed / Prepared 13/17/8/	Separatory Funnel Extraction TYes
Date Analyzed: 1/9/37	Continuous Liquid - Liquid Extraction DYe
Cone (Dil Factor) /100000 /200000	
Percent Moisture (decanted)	•

CAS Number	Ug/I or (1)/Kg
1928-38-7 1 2,4-0 M.E.	13.300000
12,4,5-T M.E.	5/2000
1	1

V. . Volume of some impected (ul)

V. . Volume of water ecreating prof.

(g) because evenus to meson (g)

V, * Volume of total earraot (ul)

4. Modified prep ; see nurrentied.

Form 1

ITAS - Knoxville 074 Sample Number Case No EGG 23550 F5-3 Organics Analysis Data Sheet (Page 3) Pesticide/PCBs Medium (Circle One) GPC Cleanup DYes MNo Date Extracted / Prepared: _ Separatory Funnel Extraction TYES Date Analyzed: ___ Continuous Liquid - Liquid Extraction DYes Conc (Dil Factor) Percent Moisture (decanted) CAS Number 1928-38-7 | 2,4-0 M.E 12.4.5-T M.E * Volume of sorract enjected (wi) . Authors of mater semacted low) W. . Weight of cample emission (8) V, * Volume of total emissi (ul)

Form i

4. Modified peop ; see mersions.

Case No Organics Analysis Data Sheet (Page 3) Pesticide/PC8s Concentration * Low Madium (Circle One) Date Extracted/Prepared 12/27/6 Separatory Funnel Extraction Dives Continuous Linuid - Liquid Extraction Dives Continuous Linuid - Liquid Extraction Dives CAS Williams of extract Prepared (Lineis Divi) V. * Volume of extract Prepared (Lineis Divi) V. * Volume of extract Prepared (Lineis Divi) V. * Volume of extract Prepared (Lineis Divi) V. * Volume of extract Prepared (Lineis Divi) V. * Volume of extract Prepared (Lineis Divi) V. * Volume of extract Prepared (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * Volume of extract (Lineis Divi) V. * V	Case No Ebb	ITAS - Knoxville		Sample Numbe
Pesticida/PCBs Concentration * Low Medium (Circle One) GPC Cleanup DYes (Into Date Extracted/Prepared 1/2/2/26 Separatory Funnel Extraction DYes Date Analyzed: 1/2/2/26 Continuous Limid - Liquid Extraction DYes Concentration Moisture (decanied) CAS Warner of M.E. 1/2/200 12/4/5-1 M.E. 1/2/200 12/4/5-1 M.E. 1/2/200 V. *Volume of extract imposted tid]		23607		F5-5
Pesticida/PCBs Concentration # Low Medium (Circle One) Date Extracted /Prepared /2/2/86 Separatory Funnel Extraction Dves Date Extracted /Prepared /5000 Separatory Funnel Extraction Dves Continuous Limit - Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction Dves Continuous Liquid Extraction		-		
Pesticide/PCBs Concentration # Low Medium (Circle One) Date Extracted Prepared 1/2/23/36 Date Analyzed 1/3/10/87 Conc (Dil Factor) 1/2000 1/5/0000 CAS Number Cars Might Continuous Limit - Liquid Extraction Ores CAS Number (Limit One) 1/2/4/3-1 M.E. 1/7/000 V, a Volume of extract expected full		. (Pa	ige 3)	05/
CAS Number 1,4,5-1 M.S. 1,7,200. 1,2,2,3-3,3-7 2,4-0 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200. 1,2,4,5-1 M.S. 1,7,200.		Postici	 45/908•	000
Date Entracted /Prepared /2/2/86 Date Analyted // 9 /0 /87 Continuous Liquid Extraction Dives Concominate the Continuous Liquid Extraction Dives Concominate the Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction Dives Continuous Liquid Extraction D				
V ₁ = Volume of sample estraction [9] V ₂ = Volume of sample estraction [9] V ₃ = Volume of sample estraction [9] V ₄ = Volume of sample estraction [9] V ₄ = Volume of sample estraction [9]		- 1 / /	•	
V = Volume of estract reported (tal) V = Volume of estract reported (tal) V = Volume of estract reported (tal) V = Volume of estract reported (tal) V = Volume of estract reported (tal) V = Volume of estract reported (tal) V = Volume of estract reported (tal) V = Volume of estract reported (tal) V = Volume of estract reported (tal) V = Volume of estract reported (tal) V = Volume of estract reported (tal)	. / -	distribution from strangers transcript to the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers of the strangers o		
V = Volume of estract reported (util) V = Volume of estract reported (util) V = Volume of estract reported (util) V = Volume of volume estracted (util) V = Volume estracted (util) V = Volume estracted (util)		······································	Continuous Li tuid - Liq	uid Extraction DYes
Number 1920-33-7 2.4-0 M.E. 2.3000. 12,4,5-7 M.E. 47000. V. **Volume of estract imported infil V. **Volume of estract imported infil V. **Volume of water estracted infil W. **Volume of sample estracted infil W. **Volume of table estracted infil V. **Volume of table estracted infil	conc (Dil Factor)	000 /5000		
Number 1928-33-71 2.5-0 M.E. 23000. 2.4.5-1 M.E. 47000. 1.2.4.5-1 M.E. 47000. 1.2.4	arcant Moisture (decant	8d)		
Number (Line Dos) 1328-33-71 2.4-0 M.E. 23000. 2.4.5-1 M.E. 77000. 1.2.4.5-1 M.E. 77000. 2.4.5-1 M.E. 17000. 2.4.5-1 M.E. 17000. 2.4.5-1 M.E. 17000. 3.4.5-1 M.E. 17000. 4.4.5-1 M.E. 17000. 5.4.5-1 M.E. 17000. 7.4.5-1 M.E. 17000. 7.5.5-1 M.E. 17000.		CAS	w3/1 se (49/Kz)	
V, a Volume of estract reported (rd) V _s a Volume of estract reported (rd) V _s a Volume of estract reported (rd) W _s a Wordern of sample associating V _s a Volume of table outract (g)		Property and the property of the second second second	(Circle Offic)	
V ₁ = Volume of estract reported (ut) V ₃ = Volume of visits estraction (m) W ₃ = Volume of sample estraction (g) V ₁ = Volume of table estraction (ut)			AND ASSESSMENT AND DESCRIPTION OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY	
ע _ו • Volume of astract איף כוופל (עון) ע ₃ • Volume of writer estracted (עון) ע ₃ • Weight of sample estracted (עון) ע ₄ • Weight of sample estracted (עון)		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	1000	
ע _ו • Volume of astract איף כוופל (עון) ע ₃ • Volume of writer estracted (עון) ע ₃ • Weight of sample estracted (עון) ע ₄ • Weight of sample estracted (עון)				
V ₃ * Volume of variar extraction (m) W ₃ ? Venight of sample extraction (g) V ₁ * Volume of total extract (ul)	,			
V ₃ * Volume of variar extraction (m) W ₃ ? Venight of sample extraction (g) V ₁ * Volume of total extract (ul)			•	
V ₃ * Volume of variar extraction (m) W ₃ ? Venight of sample extraction (g) V ₁ * Volume of total extract (ul)				
V ₃ * Volume of variar extraction (m) W ₃ ? Venight of sample extraction (g) V ₁ * Volume of total extract (ul)				
V ₃ * Volume of samula extracted (till) V ₁ * Volume of total extract (ul)				
V ₃ * Volume of value extracted (m) W ₃ * Venger of sample extracted (g) V ₁ * Volume of total extract (ul)				
V ₃ * Volume of variar extraction (m) W ₃ ? Venight of sample extraction (g) V ₁ * Volume of total extract (ul)				
V ₃ * Volume of variar extraction (m) W ₃ ? Venight of sample extraction (g) V ₁ * Volume of total extract (ul)				
V ₃ * Volume of value extracted (m) W ₃ * Venger of sample extracted (g) V ₁ * Volume of total extract (ul)				
V ₃ * Volume of variar extraction (m) W ₃ ? Venight of sample extraction (g) V ₁ * Volume of total extract (ul)				
V ₃ * Volume of variar extraction (m) W ₃ ? Venight of sample extraction (g) V ₁ * Volume of total extract (ul)				•
V ₃ * Volume of value extracted (m) W ₃ * Venger of sample extracted (g) V ₁ * Volume of total extract (ul)				
V ₃ * Volume of value extracted (m) W ₃ * Venger of sample extracted (g) V ₁ * Volume of total extract (ul)				
V ₃ * Volume of value extracted (m) W ₃ * Venger of sample extracted (g) V ₁ * Volume of total extract (ul)				
V ₃ * Volume of value extracted (m) W ₃ * Venger of sample extracted (g) V ₁ * Volume of total extract (ul)				
V ₃ * Volume of samula extracted (till) V ₁ * Volume of total extract (ul)				
V ₃ * Volume of variar estraction (m) W ₃ ? Venight of sample estraction (g) V ₁ * Volume of total estract (ul)				
V ₃ * Volume of value extracted (m) W ₃ * Venger of sample extracted (g) V ₁ * Volume of total extract (ul)				:
V ₃ * Volume of variat extraction (m) W ₃ ? Vramper of sample extraction (g) V ₁ * Value of total extract (ul)				
V ₃ * Volume of variat extraction (m) W ₃ ? Vramper of sample extraction (g) V ₁ * Value of total extract (ul)				
V ₃ * Volume of value extracted (m) W ₃ * Venger of sample extracted (g) V ₁ * Volume of total extract (ul)		V. 2 Valume of es	गावदा स्टब्स्ट्राइव (त्वी)	
W ₃ व Walipm of samule extraction (g) V₁ ■ Value of total extract (ul)		·		
V₁ • Valuend of local extract (ul)		3	•	
•				
Y. Modified prep; san narration.		W 3 Wangm of sar	प्रकार के अवश्वकारण में शुरू । 	
*- Modified prep; sax narration.				
4. Mounted prep ; san narration.		V ₁ * Valueme of tax	को छत्रारहरा (ul)	
	٧,	V ₁ * Valueme of tax	को छत्रारहरा (ul)	deg problems with the representation of the 2000
	y. Madified pe	V ₁ * Valueme of tax	को छत्रारहरा (ul)	des presentations are the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second seco
	Y. Madified pr	V ₁ * Valueme of tax	को छत्रारहरा (ul)	alanga su-makkan mini siyon kalanin ugun mini siyon kalanin siyon kalanin siyon kalanin siyon kalanin siyon ka

	IIAS - Knoxvilla
Case No EG	G 23/209



Organics Analysis Deca Sheet (Page 3)

600

Pesticida/PCRs

GPC Ciganua Otes (5/40
Separatory Feanel Extendion (1) dea
Comments Liquid - Liquid Sett Traina (SY to

CAS Number		10000 CV01
1928-38-7	1 2 face 0 M F	1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Production Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Con	2,4,5-1 M.E.	CV12002
A SHAFTE SHOUTH NOW AND AND AND AND AND AND AND AND AND AND	THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT OF THE CONTRACT O	 If a state of transit as it. Published egg expenses. If a state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the
		ł

V, Volume of entrary important fells

V₈ • Valuetia of season in an completell

W_g • Wanger of equation (and expension alog).

V * Visions at that to are a feet

4. Modified proposes mercation.

Form 1

7 15

Laboratory Name	TTAS - Knoxville -
Case No	23550

A 0 -1

Organics Analysis Data Sheet (Page 3)

0 4

Pesticide/PC8s

Concentration * Low Medium (Circle One)	GPC Cleanup Cites MNo
Date Extracted Prepared 12/17/86 (+1/18/87)	Separatory Funnel Extraction Tes
Date Analyzed: 1/17/27	Continuous Liquid - Liquid Extraction DYes
Conc Dil Factor 1, 1/2	
Percent Moisture (decanted)	

CAS Number		Ug/I or (vg/Kg
1928-38-7	2,4-0 M.E.	1 420 0
	2,4,5-1 M.E.	1 < 2, 4
		1
		ı

V . . Volume of extract mirecred full

Vg * Volume of weter extracted (mi)

W₄ * Wangin of Lamon extracted (8)

V. * Volume of total entract (ul)

4. Modified prep; see interestive.

Form 1

Laboratory Name	ITAS - Kroxvilla
Case No	<u>66 23550</u>

在中国的一个时间,他们也是一个时间的时候,他们也是一个时间,他们也是一个时间,他们也是一个时间,他们也是一个时间,他们也是一个时间,他们也是一个时间,他们也是一个

Sample Number
AD-2

Organics Analysis Data Sheet (Page 3)

016

Pesticide/PCBs

Concentration & Low Medium (Circle One)	GPC Cleanup Elves MNo
Date Extracted Prepared 12/17/86 + (1/16/87)	Separatory Funnel Extraction - TYes
Date Analyzed 1/17/37	Continuous Liquid - Liquid Extraction @Yes
Conc (Dil Factor) //2	
Percent Moisture (decanted)	

CAS Rumber	ug/ler ug/xq		
1923-33-712,4-0 M.E.	1 <20 U		
12,4,5-1 M.E.	< 3 U		
	1		

I'v become of earth memory a V

V_g a Volume of water extracted (mi)

W. . Vinegra of comove actracted (g)

Y Valuma of tetal artises (vil)

4. Modified prep; see merature.

Form 1

Laboratory	Name		<u> 24 - </u>	Knoxville	
Case No	660	5 2	3550	2	

Eempie Number
AD-3

Organics Analysis Data Sheet (Page 3)

028

P.	stic	·in a	/P		٦.
	2111		! / F	-	23

Concentration * Low Medium (Circle One)	GPC Cleanup TYes MNo
Date Extracted (Prepared: 12/17/26 + 1/16/87	Separatory Funnel Extraction O'Yes
Date Analyzed: 1/17/97	Continuous Liquid - Liquid Extraction DYe.
Cone (Dil Factor) _/ //2	
Percent Moisture (decanted)	

CAS Number	US/I or US /Kg/
1928-38-71 2,4-0 M.E.	1 420 0
1 2,4,5-T M.E.	1 < 2.4

V_i * Vectorie of extract imported (ul)

Vs * Volume of water extremed (mil)

W_s • Wargin of samore exceeded (g)

V₁ * Volume of total earrost (ul)

4. Modified grap; see marration.

Ferm 1

Case No FEE 230	is - Knoxville	013	Semple Numbe
Case No			A0-5
	Organics Analy		
•	(Pag	E 31	
	Pasticida	r/PCBs	
oncaniration * Low A	Medium (Circle One)	GPC Cleanup 🗀 Yes 💢	No
era Extracted /Prabarad: _	12/22/86 +(1/16/87	Separatory Funnel Extr	
sie Arabitod		Continuous Liquid - Lie	
one (Dil Factor)	/3		
rcent Moisture (decanted)			
	CAS Number	ICIES OUR	
	1928-38-7 2,4-0 M.E.	1 420. U	
	2,4,5-1 M.E	7 2	
,			
		•	
	V. • Voluma of extra	3.CI properted (ud)	
	V. • Villaren al sous		
	pA a passion of course	•	
	e 4 a e a Quella de Propesal	what the right half thanks 10.1	
	•	waren new tools	
	V, Valume of excellence of exc		

Laboratory Name	ITAS - Knoxvilla -	
Case No Ebb	23609	

Sample Number AD-6

Organics Analysis Data Sheet (Page 3)

025

Pesticide/PCBs

Concentration # Low Medium (Circle One) Date Extracted (Prepared 12/22/86 1/16)	GPC Cleanup Dyes MNo
	Separatory Funnel Extraction DYes
Date Analyzed:///7/87	Continuous Liquid - Liquid Extraction DYes
Conc (Dil Factor)	
Percent Moisture (decanted)	
CAS Number	ICITED ORGI

1928-38-7	2,4-D M.E.	1 420 U
	2,4,5-T M.E.	1 < 2. 4
!		1

V. . Velume of extract injected (ul)

V. Volume of water extramed into

W₄ * Weight of sample unitating (p)

V_t * Volume of total emract (ul)

4. Modified prep; see marrative.

Form 1

Laboratory	Name	TTAS - Kn	oxville	£
Case No _	EGG	2366	manufacture and a state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the	Semple Numb
			Organics Analysis Data Sheet (Page 3)	<u> </u>
		•	(1 oge 5)	0

Pesticide/PCBs

Concentration # Low Medi	im (Circle Ocal	GPC Cleanup DYes ØNo
Date Extracted /Prepared /2	122/86 (1/16/87)	Separatory Funnel Extraction Tes
Date Analyzed	,	Continuous Liquid - Liquid Extraction DYes
Conc (Dil Factor)		
Percent Moisture (decanted)		
-	AS	49/1 0 69/Kg)
<u>.</u>	UMBOT	(Circle City)

(Crest Cina)
1 -20.4
1 <2 4

V	Vistama	હ્ય	0.77071	PLOTS SURE	tast

V₃ = Veturns of motor carractes mu)

Ws * Wargin of camera emission (9)

V₁ • Volume of tetal emises (ul)

y. Modified prop; are normation.

Form 1

Case No For	23549			Semple Number
Case No		nics Analysis Dat	a Sheet	UB-1-F
		(Page 3)		VB - 1 - XAO VB - 1 - PW
	•	Pesticide/PCBs		VB-1-C
Concentration * Lov	v Madium (Circle	One) GPC	Cleanup 의Yes [다	No. 0011
	00 12/22/8/2		cratory Funnel Ext	TO DO
Date Analyzed:	110,11/87	Cons	linuous Liquid - Liq	uid Extraction DYes
Conc (Dil Factor)	<u>/</u>			
Percent Moisture (dec	(bsine			
	CAS Number		ugua Bing	
	1928-38-7 2	1.4-0 M.E.	(Circle One)	
		,4,5-T M.E.	1 <0.34	
,				
	6 12.			
		•		
		•	•	
•				_
				•
				•
	•	क्षेत्रक हो स्थापना ज्यानास		
	•	Signa of woter some sale	•	•
	₩, • ₩	forgett of barriots and borrows	±4 (9)	
	V ₁ * V ₁	oluma ol tetal entred (vi	n	
	87 W ₃			2 . 1

	- Proxville -		Semple Number
Case No EGG 235	, 174	•	1/B-2-F
		ysis Data Sheet je 3)	VB - Z - XAD VB - Z - PW
•	Danield	 e/PCBs	VB - Z-C
Concentration & Low Me	resticio sdium (Circle One)	GPC Cleanup □Yes ∰h	00012
Date Extracted / Prepared		Separatory Funnel Extra	
Date Analyzed: 1/10	11/87	Continuous Liquid - Liq	
Percent Moisture (decanted)			
	CAS	May May May	
	Number	(Circio Ona)	
	1928-38-7 2,4-D M.E. 2,4,5-T M.	E. 1 -2.1 U	
7			
•		•	
	,		
			t
	•		
	•		
	V, * Volume of ear	rece myrered (ul)	
	V _s • Valuates of was	ज ब्ह्याम्बर्ध (लिं)	

7:25

 W_{g} 5 Would of sample extended (9) V_{L} 9 Volume of total entred (al.)

4- Modified prep; and normalium.

Concentration # Low M. Date Extracted / Prepared:	Organics Ana (Pa Pestici edium (Circle One) (2/22/7)	Iyais Data Sheat Ige 3) da/PCBs GPC Cleanup DYes @No Separatory Funnel Extrac Continuous Liquid - Liquid Continuous Liquid - Liquid (Gircle One) (Corcle One) (Corcle One) (Corcle One)	Hion ØYes
Date Extracted / Prepared	Pesticion (Circle One) (2) 12 7 (1) 12 7 (2) Cas Number 1928-38-, 2,4-0 M.E.	GPC Cleanup Dives (And Separatory Funnel Extract Continuous Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid	$VB-3-x40$ $VB-3-PW$ $VB-3\cdot C$ 000
Date Extracted / Prepared	Pesticion (Circle One) 1.3 /3.3 /8/. 1.1 /3 7 Cas Number 1928-38-, 2,4-0 M.E.	GPC Cleanup Dires (Sind Separatory Funnel Extract Continuous Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liquid - Liqui	$\begin{array}{c} VB - 3 - Pa \\ VB - 3 \cdot C \\ 000 \end{array}$ $\begin{array}{c} 000 \\ \text{Clion Byes} \end{array}$
Date Extracted / Prepared	CAS Number 1928-38-, 12,4-0 M.E.	GPC Cleanup DYes @No Separatory Funnel Extrac Continuous Liquid - Liquid Continuous Liquid - Liquid (Gircio One)	
Date Extracted / Prepared	CAS Number 1928-38-, 2,4-0 M.E.	Separatory Funnel Extract Continuous Liquid - Liquid Liquid (Gircia One) (71,20)	Hion ØYes
Date Analyzad:/_c	CAS Number 1928-38-, 2,4-0 M.E.	Separatory Funnel Extract Continuous Liquid - Liquid Liquid (Gircia One) (71,20)	Hion ØYes
Percent Moisture (decanted)	CAS Number 1928-38-, 2,4-0 M.E.	Continuous Liquid - Liquid Liquid Circle One) (Circle One)	
Percent Moisture (decanted)	CAS Number 1928-38-, 2,4-0 M.E.	March Onel (Corcio Onel (71.20)	u extraction (1) Yes
	CAS Number 1928-38-, 2,4-0 M.E.	11.24	
,	1928-38-, 2,4-0 M.E.	11.24	
,	1928-38-, 2,4-0 M.E.	11.24	
•		11.24	
•	2,4,5-T M.	E. <0.74	
•			
•			
•			
			•
	•		
•			
			•
	V _e = Values of ears		
	As a Actinus of mater	' क्लाउदार्थ (mi)	
	W _g = Weight of sample		
	V ₁ * Volume of scale		
	•		
V _s	W	5600011	211
4. Wedified prep; as	ee members.	56000 ul v,	The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa
• • •			

ender de la company de la company de la company de la company de la company de la company de la company de la compa

969

Participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participation of the participa

Semple Number UB-5-F Organics Analysis Data Sheet VB-5- XAO VB-5-PW (Page 3) VB-5-C Pesticide/PCBs Medium (Circle One) GPC Cleanup DYES MNo Date Extracted / Prepared 12/20/86 Separatory Funnel Extraction & Yes Date Analyzed: 11/0/37 Continuous Liquid - Liquid Extraction DYes Conc Dil Factor 1 15 Percent Moisture (decanted) _ CAS 00022 \$928-38-712,4-0 M.E 12.4.5-T M.E. * Volume of extract impected (iii) V_e a Volume of water emiscise (mi) Wa . Warght of Larrow emiscised (g) V_L * Volume of total extract (ul) 4. Modified prep; see necretion.

Form 1

Case ho EEG D.	TAS - Knorville		Sample Number
437 FIU			VB-6-F
	-	ysis Data Sheet	VB-6-XAB
•	(Pa	ge 3)	YB-6-FW
	Pasticio	ie/PCBs	1B-6-C
oncentration * Low	Medium (Circle One)	GPC Cleanup DYes (0003
	12/12/186	Separatory Funnel Ex	
	11/27	•	iquid Extraction DYes
	15	COMMODUS EROIC - E	idnig Extraction 7153
ercent Moisture (decanted			
strauf Moisinis (nersuism	CAS	LLA ug der uf di kg 1Cocks One	
	1928-38-7 2,4-0 M.E.		
	2,4,5-1 M.		
		(
,			
		·	
		·	
	,		
	V ₃ α Volume of ¢πτ		
	V _g = Volume of wat	का रजाकदावर्ग (गर्भ) 4	
	•	का रजाकदावर्ग (गर्भ) 4	
	V _g = Volume of wat	का क्याकटावर्थ (त्या) १ १९७ क्याकटावर्थ (दृ)	

Form 1

7:85

Laboratory Name	::1 <u>a</u> .		
Case No			Sample Number
	Organics Analy	sis Data Sheet	14820
· ·	(Pag		. (
	Pesticide	PC6s	
Concentration # Low Medium {	Circle One)	GPC Cleanup DYes (\$7)	40
Date Extracted /Prepared	176	Separatory Funnel Extr.	action DYes
Date Analyzed	NAME OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OWNER OF THE OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNE	Continuous Liquid - Liq	uid Extraction DYes
	Particular and Additional Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of		
Percent Moisture (decanted)		44.4	
CAS		Uncle One)	
N UMBOT 1928-38-	-7 1 2,4-0 M.E.	(Circle One)	
Andrew Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the	12,4,5-1 M.E		
			
,		1	
	•		
•	V . * Vidumo of ever	टा क्ष्यास्य (०१)	
*	d . Wolveme of water	er excremed (mil)	

form 1

 $W_{\underline{s}}$. Weight of sample extracted (g) $V_{\underline{t}} = Volume (of total extract (u))$

4. Modified prep ; see normative.

43

Laboratory Name	TTAS	~ Knoy	/117p .
<i>C.</i> .			
Case No			

Sample	pumber
1482	1

Organics Analysis Data Sheet (Page 3)

020

Pesticide/PC3s

Concentration * Low Medium (Circle One) Date Extracted/Prepared 12/23/2/6 Date Analyzed 1/10/17 Conc (Dil Factor) 1/10		GPC Cleanup @Yes @No Separatory Funnel Extraction @Yes Continuous Liquid - Liquid Extraction @Ye	
Percent Moisture (decanted)		uz	
	CAS Number	15 rete One !	
	1928-38-7 2,4-0 M.E.	1 41. 4	

V. 4 Volume of extract miscred (ul)

V. . Volume of water estracted (mil

W. 4 Weight of sample engineed to

V, * Volume of total extrect (u)

· .	91 W		1 miles	٠,	2 mil
	Modified project morrations	* 1		٠,	
•	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon				

Form 1

Laboratory Nam	·i	TAS -	Knoxville
Case No	FEE	23611	

Sample Number 14822

Organics Analysis Data Shoot (Page 3)

030

Pesticide/PCBs

		-
	edium (Circle One)	GPC Cleanup DYes ØNo
Date Extracted / Prepared	12/23/26	Separatory Funnel Extraction DYes
Date Analyzed 1/10+11	187	Continuous Liquid - Liquid Extraction DYSS
Conc Dil Factor _ 1/30	, <u>, , , , , , , , , , , , , , , , , , </u>	
Percent Moisture (decanted)		
	CAS Number	ug (love) (Kg
	1928-33-7 2,4-0 M.E.	AND AND AND AND AND AND AND AND AND AND
	2,4,5-1 M.	ξ

V_i a Volume of entrice imagined (ul)

V_{\$} व प्रमुख्याच को भवादर बहारवाहच सामा

Wy * Weight of sample emission (g)

Y Volume of total extract Hill

4. Modified propjeke mercative.

great 1

Laboratory Name	ITAS - Knorville .
Case No	EEE 23611

Semple humber 14749

040

Organics Analysis Data Sheet (Page 3)

Pesticide/PCBs

Concentration * Low Medium (Circle One)	GPC Cleanup Tyes MNo
Date Extracted / Prepared 12/23/26	Separatory Funnel Extraction Dives
Date Analyzed: 1/10,11/07	Continuous Liquid - Liquid Extraction Dives
Conc (Dil Factor)	
Parcani Montreya (ancha: nd)	

CAS Number	1Circle One)
1923-38-7 2,4-0 M.E.	1.2
1 2,4,5-1 M.E.	1 2.3

Y . * Votums of extract injected (vil)

V * Yourna of works carracted [mil]

W . Weight of samole extracted (g)

V_L * Volume of total extract (vi)

y. Modified pero ; see noreation.

Form 1

Laborators	NameITAS - Knoxvilla -
Case No .	15/1 - 3/1

Sample Number

Organics Analysis Data Sheet (Page 3)

050

Pesticida/PCBs

Concentration * Low Medium (Circle One)	GPC Cleanup OYes MNo
Date Extracted Prepared 17/23/76	Separatory Funnel Extraction
Date Analyzed	Continuous Liquid - Liquid Extraction DYes
Conc (Dil Factor) 15	
Percent Moisture (decanted)	
	uz

(Circle One)
1 4/ 1/
0.2
1

٧.	# Volume	ø	entract	וחים כו מים	(41)
----	----------	---	---------	-------------	------

	•	
٧,	or W _s	V, Time V, The
¥.	Modified pieco; ear marration.	•

form

V. * Volume of water entranged (m)

W₂ a Warphi of sample exclosion lot

Laboratory Name	- 2 /		Sample humos
Case No FEE			17963
		alysis Data Sheet age 3)	THE THE CONTRACT OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY O
	Pestic	ide/PCBs	06
	Medium (Circle One)	GPC Cleanup DYes Of	10
Date Extracted (Prepared .		Separatory Funnel Extr.	ction DYes
Date Analyzed:		Continuous Liquid - Liq	uid Extraction DYes
Cone (Dil Factor)	2		
Percent Moisture (decanted	!)		
	GAS Number	egilonofika (Circh One)	
	1928-38-7 1 2,4-0 M.	1 2.3	
	[2,4,5-1]	1.8. 1 4.7	
,			
		•	
•			
•			

4. Modified prep; see narrative.

 V_g . Wolume of water extracted (ml) W_g * Wolume of seminar extracted (g) V_g . Volume of total extract (ul)

200.0.0	AS - Knoxville		Sample Number
Case NoEEE	23611		17964
		rsis Data Sheat	
<i>5</i> %	Pag	ge 3) -	070
•	Pesticid	e/PCBs	0.1
Concentration * Low	Medium (Circle One)	GPC Cleanup DYes (gno.
Date Extracted / Prepared		Separatory Funnel Ex	
Date Analyzed	11187	Continuous Liquid - L	iquid Extraction DYes
Conc (Dil Factor)			
Percent Moisture Idecanted			
	CAS	ug ling	
	Number 1928-38-7 2,4-0 M.E.	(Circle One)	1
	12,4,5-1 M.	E. 1 301 U	
,			
		•	
		•	
	•		
	,		
			•
	V _i ■ Values of each	raci m _f ected (ul)	
	V _s ■ Volume of was	ਜਿਸ ਫਗਾਨਫ਼ਵਰ (ਸਮ)	
	W _g ■ Weight of £am		
	V ₁ * Volume of rate)! ਰਗਾ ੜ ੜ (ਪੀ)	
.,	•	م باربره سيم	ا) برجہ

4. Modified prep; see normalius.

978

Laboratory NameITA	S - Knoxvil' 73611	٩		Sample Number
Case No				17966
•	Org	ganics Analysi (Page	3)	079
•		Pesticide/		
Concentration & Low N Date Extracted / Prepared	12/23/96	cle One)	GPC Cleanup Clyes Ch	
Date Analyzed:	11/27		Separatory Funnel Exit	
Conc (Dil Factor) 1/10	1/50		Continuous Liquid - Lia	uid Extraction DYes
Percent Moisture (decanted)				
- Clark Mare at a technical	CAS Number		bellerneling (Circio One)	
		12,4-0 M.E.	1 . L(</th <th></th>	
		2,4,5-7 M.E.	1.1	
7				
	·			
				•
		Volume of emisci		
		Volume of water s	•	
		Wargim of sample	•	
	٧, ١	Volume of local se	nraci (ul)	

4. Modified press; see merention.

Laboratory Name	AS - Knoxville		
Case No EGG 2	3611		Semple Number
		ysis Data Sheet	17967
		ge 3)	•
·	Bassinia	la/PCBs	095
·	Medium (Circle One)		
Concentration * Low Date Extracted/Frepared*.		GPC Cleanup DYes Ø	
Date Analyzed:		Continuous Liquid - Liq	
Conc (Dil Factor)	,	Carminand Evidence - Pro	IDIO EXITACTION CT 153
Percent Moisture (decanted			
	CAS Number	ezelonigekçe (Circle One)	
	1928-38-7 2,4-0 M.E.	1 <1. U	
	2.4,5-T M.	E. 0.1	
7			
		·	
	•		
			·
	V _i = Volume of exc	ina mjened (ul)	
	V _e ≠ Virtume of wi	।।वर वयाग्यदावर्थ (गण्डे)	
	W. • Weemin of san	•	

Sprm 3

7:25

(Iu) perme at total amiraci (ul)

4. Modified prep; see narrative.

646	ITAS - Knoxville ·		Semple Nurriber
Case No	Organics Anal	lysis Data Sheet ge 3)	17968
•	? Pesticio	de/PC3s	10
	Medium (Circle One) 12/23/86	GPC Cleanup Cites QNo Separatory Funnel Extrac Continuous Liquid - Liqui	tion DYes
Percent Moisture (decant	CAS Number	og Hor with kg (Circle One)	
,	1928-38-7 2.4-0 M.E 2.4.5-1 M		

V₁ * Volume of sarrad injected (ul)

V₃ * Volume of water extracted (mi)

W₂ = Weight of sample extracted (g)

V . * Volume of total extract (ui)

4. Modified prep; see narrative.

Form 1

Laborator	y Name	TTAS - Kno	xvilla -
Case No		23548	

Percent Moisture (decanted)

Sample Number
ENT-B

Organics Analysis Data Sheet (Page 3)

00003

Pesticide/PCBs

Concentration * Low Medium (Circle One)

Date Extracted Prepared: 12/12/26 Separatory Funnal Extraction Sizes

Conc Oil Factor 1/0 1/10 0

CAS Number		1Eires Onal
1928-38-7	2,4-0 M.E.	1 U</th
	2,4,5-T M.E.	1 <0.14
		1

V_i s Volume of sorts a imported (ul)

V. Veture of motor emission (mil)

W_s = Weight of sample emission (g)

V₁ * Volume of total entract (uf)

v. <u>150 ml</u> aw. v. <u>500 lel</u> v. <u>2 ml</u>

	Laboratory	Name FIND - Knoxville	
•	Cara Na	E66 73548	

Sample	Number
ENT-	1

Organics Analysis Data Sheet (Page 3)

Pesticide/PCBs

00019

Concentration * Low Medium (Circle One)	GPC Cleanup DYex MNo
Date Extracted / Prepared: 12/,7/85	Separatory Funnel Extraction DYes
Date Analyzed:	Continuous Liquid - Liquid Extraction DYes
Conc (Dil Fector) 1/10 , 1/10 0	
Baseant Lines on (Caranted)	

CAS Number		(Circle One
1928-38-7	2,4-0 M.E.	1 <1. U
	12,4,5-T M.E.	1 <0.1U
		1

V. . S Vesturne of extract intector full

Ve . Volume of water extracted (mi)

W_s * Weight of sample emission (8)

(Iu) Derme less to semular . V

4. Modified prep; sex nerration.

Form 1

Laboratory Name	1745 -	Knoxville -
	6 235	

Semple Number ENT - 2

Organics Analysis Data Sheet (Page 3)

Pesticida/PCBs

00036

Concentration * Low Medium (Circle One)	GPC Cleanup DYes MNo
Date Extramed Prepared 13/17/86	Separatory Funnel Extraction (2) Yes
Date Analyzed: 1/7 8/37	Continuous Liquid - Liquid Extraction DYes
Cone (Dil Factor) 1/10 1/100	
Percent Moisture (decanted)	

CAS Number		Ug/Dor ug/Kg (Circle One
1928-38-7 2,4	1-0 M.E.	1 <1 U
12,4	1,5-T M.E.	1 41.74

V. . Veluma of sarrata imported (ul)

V₂ * Veturna al mater extracted (mil)

W_s • Worght of samula entraced (a)

Y, * Volume of total extract (ul)

v. 870 ml or w. v. 5000 ml v. 2001 v. 2001 v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v. 2000 ml v

Form 1

Laborator	y Name	
Case No	E66 73610	

Sample Number
ENT-5

Organics Analysis Data Sheet (Page 3)

Pesticide/PC8s

00003

Concentration * Low Medium (Circle One)	GPC Cleanup DYes ØNo
Date Extracted /Prepared 12/27-29/76	Separatory Funnel Extraction 19 Yes
Date Analyzed:	Continuous Liquid - Liquid Extraction Dyes
Cone (Dil Factor) 1/50 1/100	
Percent Moisture (decanted)	

CAS Number		ug/ler ug/Kg /Circle One)
1928-38-7	7,4-0 M.E.	1 < 3. 11
	2,4,5-T M.E.	1 <2 !!
		1
		1

* Volume of earst invested (ul)

* Volume of water entracted (mil)

* Weight of sample extracted (g)

V₁ * Volume of total extract (ul)

		•			
٧s	1000 mg	or W _s	v, roce ut	ν,	244
ж.	Modified oraci:	see norradion.	•	•	•

Form 1

7 . 25

				Knoxville .
Case No .	£60	3 7361	0	

Percent Moisture (decanted) .

Sample Number
ENT 6

Organics Analysis Data Sheet (Page 3)

Pesticide/PC8s

00019

	•
Concentration & Low Medium (Circle One)	GPC Cleanup DYes MNo
Date Extracted Prepared 12/22-29/86	Separatory Funnel Extraction 🖼 Yes
Date Analyzed	Continuous Liquid - Liquid Extraction Cyes
Conc(Dil Factor) 1/20 1/50	•

CAS Number		TEIRCH One)
1928-38-7	2,4-0 M.E.	1 <1.4
	2,4,5-T M.E.	1 70.111
į		
		1

V_i = Volume of extract injected (ui)

Vg * Volume of water entracted (mi)

Ws - Weight of sample emisched (c)

V₁ * Volume of total extract (ul)

Y. Modified project see normative.

Form 1

Laborators	Name -	TTAS - Knovville
Case No	FEE	23610

ENERGY CONTROL OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND OF THE SECOND O

Sample Number	
PUT W	

Organics Analysis Data Sheet (Page 3)

Pesticide/PCBs

00038

7 33	
Concentration * Low Medium (Circle One)	GPC Cleanup Dives MNo
Date Extracted Prepared 12/22.20/16	Separatory Funnel Extraction DYes
Date Analyzed 1/15 11./87	Continuous Liquid - Liquid Extraction DYes
Conc (Dil Factor)	
Percent Moisture (decanted)	

CAS Number	Vig/Lar vg/K	
1928-38-71	2,4-0 M.E.	1 <1.11
	.4,5-1 M.E.	1 70161
j		

٧,	•	Valums	અ	8 47778 23	miscial	(04)

W. . Waspill of taning emiscine (a)

Y . * Volume of total extract (ul)

v. Took one are more time.

Form 1

V. . Velume :: water extracted (mil)

Laboratory Name)		Sample Number
	Organics Anal	ysis Data Sheet ge 3)	CW
·	Pasticio	de/PCBs	0004
Date Extracted / Prepared: 17/5/3	dium (Circle One) /22-28/26 /7	GPC Cleanup Clyes 関No Separatory Funnel Extrac Continuous Liquid - Liqui	tion ØYes
ercent Moisture (decanted)	CAS Number	ug/lar ug/Kg Teireis One i	
	2928-38-7 2,4-0 M.E 2,4,5-T M	E. 70.10	
1			
,			

V . * Volume of extract mentred (ut)

V. . Vidume of water extracted (mil)

W . Wenter of extracts accorded in

V Volume of resal extract (ul)

4. Modified propises moralise.

Laboratory	Name	LIAN - ARCXVIIIA	
C No.	FEE	23610	

Sample	Number
WB-1	

Organics Analysis Data Sheet (Page 3)

•	Pesticio	e/PCBs	0005-
Date Extracted / Prepared		GPC Cleanup DYes MNo Separatory Funnel Extraction Continuous Liquid - Liquid Es	i
Percent Moisture (decanted)	CAS Number 1928-38-7 2.4-0 M.E. 2,4.5-1 M.	(G/1 dr vg/Kg (Circle One)	

V. * Volume of extract impected (ul)

Vg. * Vacume of water extracted (mi)

We Warght of sample entracted (g)

V₁ * Volume of total extract (ul)

4. Modified prep ; see recreation.

ferm 1 999

water matrix spike/matrix spike duplicate recovery

ŧ

TOTAL STORES 102 -73) 173 -Contract No. 2 ## U 200 M Backer 16 AND C 100 A Confractor 2775-AUDED (LE) 1.4 Och Actions 1.2.4. Trachicachanana 1.1 Cicher Chara 1.4 C. Act 316 hours Course Servers のようなような 大いかんでいているになって ECG 23249 27.50 SERVICE NO. SALVIE NO. FRACTICA Case No. **VOX** . J

21-120 891-168

78-133

12-128 12-121

24.53

44.118

(A)

ð Asterisked values are outsdé og limits

ACID ext of MON- BON 601 W. W. RECOVERY: eventos OC Modus eventos QV spinias cutable OC Knotes Control OC Knots - Catel I DATE lest of Sax ed W. Salan 2013 是 3.0:

Control DC Books
Control DC Books
Control DC Books
Control DC Books
Control DC Books

io me

32.1.2

52-113

7

0.97

2-4-5-T H.E

SAMPLE NO.

178 PAIS

2,4-D H.E

. 12년 12년

27.125

33.82 9-103 12-83 13.07 4.5

> (25)1770 DI. Water blank 30, Ke a 10 ż X1200385 Kesuly. Correction.

FORM IN

7/85

10000

" Crear Bearing borne

4 Ports C. B. Brack

2 Character winds

SAMPLE MO.

N. Care

Participal and the same

ACIO

L SUMMAHY MEINUU BLA

Contractor 1745-

5													
27.23	7/600	7/100											
co.c.	7 /	0.1 11 14/12											
COMPOUND THE LIFE OR PHENOMEN	2,4-0 M.E.	245-THE											
CAS MINER (A													
2	V3.70c	V3700											
32.33											•		-
14 1 Red	wkr	LAKET										,	-
F B & C ? d'an													
0411 Cd	18-2/27	16.152											
1419	MA-2 E6623548	MB-2 EGG 235 18 1/2-197										Corresponds:	

FORM W

1188

METHOD BLA.K SUMMARY

Currector ITAS Knoxville

141.0	BANG CO	VRACTO.	44184	3233	2487.10	CAS MUDBLA	COMPOUND HER, FIC OR UNIXORM)			a d
MB 3 E6623550 1/87/11	1/8,7/87		-j.95		V3700		2,4-0 M.E.	420	29 (kg	
ID53£662355	1/8,3/87		1.8		V57c0		245-T M.E	۲>	ma/kg	
	-								ى م	
					-					
							AND THE RESERVE OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERT			
							AND THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPER			
·										
Connadods:										

Form W

Cass No. E6623550

BOIL MATRIX SPINE/MATRIX SPINE DUPLICATE RECOVERY

mody helistemy 2 2 2 E 30.108 17.108 61.137 35.142 41.130 25.107 19.154 73.103 42.137 90.00 (3) (3) 3 Contrast Ho. 5 R F C COMC. MSC. Contractor ITAS Enexulle ¥ S 2 COHIC. SAUFLE Medium Level CONC. SPIKE AUULD [14/Kg] 덕 Penzelhanohural Porcal 2 Chinephanol 6 Giore 3 Rethyldenol 6 Misephanol H National in Not ylambin Thinkoughlere Distributes Toloung Bengana 1.7.4.Thintonnana Aurichitisaa 7.4 Uniteditiona Pytena 1.10 William 2,4.5-T.H.E COMPOUND 2,4-D H.E. Case 110. EGG 13550 Sokalle SANTLE NO. SAMPLE NO. SAMPLE NO. SAMPLE NO. FRACTION Low Layel VCA ACID \$440 8/3 0:3

*ASTERISKED VALUES ARE GUTSIDE OC LIMITS.

of of	
VOA1	
necoveny:	
eutable OC limits custale OC limits custale OC limits custale OC limits custale OC limits	
ACID OUT out of ACID CONTINUES OUT OUT OUT OUT OUT OUT OUT OUT OUT OUT	

FORM IN

BOIL MATHIX SPIKE/MATHIX SPIKE DUPLICATE NECOVENY

Contraot No.

Confractor	Madlum Lovel
Cose No. EGG 23 550	low Level

FRACTION	COMPOUND	COMC. SPIKE AUULD [14/Kg]	SAMPLE	CONC.	Hr. O	COMC.	# # C	2	Poor	TO THE RELIGION
KOA	1.1 Distration or there								23	111.00
OrtS	Telefation sections								24	61.131
SAMPLE NO.	Chica charlens								3	60.133
	10,000	-							7.1	50.139
	Berkeins								2	69147
	1, 2, 4- Fettishorotomsens								33	101.00
Z	Actainment								33	35.137
Orts .	7. & Controlobors								7	30.05
SAMPLE NO.	•								F	35.147
	to il trassit a hegylamon								1.8	41.178
	I, a Dichiga obtantona								7,7	78.104
ACID	Ferritechiotophersol								â	17.109
540	1110								ž	2860
SAMPLE NO.	Land State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the								63	15-107
·	Chica Seamer Course								2	28.103
	S. TVI LA GATESTAGE								9	
									63	18134
.875		14	24,000	00001	*	93500	*	7.	ž	33.13
SAMPLE NO.	2.4.5-T. H.E.		100 000	Conche	$\overline{\parallel}$	anch	*	Land	43	34/31
								4.4.7	9	24.134
- The									43/	47.139
									3	23 1347

*ASTERISKED VALUES ARE OUTSIDE OC LIGHTS.

FORM III

_

BOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE P

month heedson 61.13 65.139 35.147 25.104 17.103 25 107 75 103 86-118 63.177 28 e2 13 S 3 Contract Ho. 2 ## ₩ COSSC. Contractor ITAS Knowille ¥ Ž ŞB CONC. MS SAMPIE RESULT 750 Madlum Level CONC, SPIKE ADDED (14/Kg) 1.4 Distraction in opytheria Telegrap Bensans 9.2,4-11/2/landens 4 Orlean & March phylomet Acarestichens 1.4 Universitations 1,1 Distrato estrono Pentuchasand Tokhborceshand Charlengens 2 Chlorophenol Cass No. EGG 23609 2.4.5-T H.P. 4 tillschingtol COMPOUND 2.4-D M.R. Shered Syres. SAMPLE NO. SAMPLE HO. SAMPLE 110 SAUPLE NO. FRACTION Low Level Fig. VOA Sado ACID Skil 3/F

*ASTERISKED VALUES ARE OUTSIDE OC LIMITS.

eutibe DC Radie eutible DC Radis eutside DC Radis outside DC Radis	
VOA:	
necoveny:	
outside OC limits outside OC limits outside OC limits outside OC limits	
ACID out el	

FORM III

7/05

Contractor ITAS Knozuille

FORM IV

CONC. UMITS CAP.	×30 44/49	7.5 149/149											
COMPOUND INST. FIC OR UNKNOWN?	Y												
		Annual Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the											
и. <i>ё.</i> . н.е.	ME												
24-0 M.E. 24.5-T M.E.	2,4,5-T. H.E												
791.2	' 3												
V3700	32.6	13/60					1						
<u> </u>	_	>	 <u> </u>										
1.0%		Sil											
		5		-		~~							
1 8 01.1	-	1-10-87	 			-							
-		15	 <u> </u>										
	6.23609	10x (2) 11 11 11 11 11 11 11 11 11 11 11 11 11			-								
ואנים	3-1EG	NIB.											

Cass No. 166 73609

Contract No.

Contractor 1TAS Proxille

Case No. E46.136.09

FORM IN

(21.0	6414 OF AMB. 1878	PALCTEON	MATRIE	323	M31. 10	CAS MINEBER	COLP CLM 0 1451, TIC OR UMMORNE	COMC.	27.85	85
MB-3 E6613609	1-17-87		Soil		V3700			430	44/44	
MB-3 € 66,33609	1-17-87		Soil		43700		2.4.5.T M.E.	4,	m 1/4	
	·									
	·									
Corranents:										

MEINUD BLA A SUMMAHY

Contract No.

Contractor ITAS Knoxville

Raplon_

5 र्यान 2 COXC. 40. <u>~</u> COMPOUND THAT, HE OR CHANGEST 34,5-T M.E. 2,4-0 M.E. CAS NULDER M37.10 V3700 V3700 نز وو درو MATRIK water wkr GATE OF PRACTION 1/15/2/87 1/15,16.127 MB-2 E66 23410 MB-2 EGG 23610 0 2 4 Commants:

FORM IV

7/85

WATER BATRIX SPIKE/BATRIX SDIVE HIS:

MAINIA SPIRE/MATRIX SPIRE DUPLICATE RECOVERY	Contractor IDIS Katotuille Contract No.	21172	MESULT MS REC CONC. WE RED COLUMNS	350	14 01.148	4	13 78-130	13 78-125	11 78.137	28 38.90	31 46.113	35 2.50	31 24.17	32 41.119	23 27:37	60 % 6:103	42 17.89	40 27.123	42 23.97	60 10.50		12 32 35		303.787
KE DUPLI				╁	1						1		+	1	1	+	1	+	+	+	1		+	
TRIX SPI	S Karexaille	21172	ES.							_									1		1.5.		1	
NE/EA	180r 1DY	-																			17			
455 KE	- Contras	CONC. SPINE																			3.6			
36.10		COMPOUND	1.1 Michbary and have	District Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of t	Chlorober 18/4	Taluane	Bentens	1.2.4. Terchiscoparane	Activitations	1.4 Oralitatolismos	Pyrana	White Car Page	SOURCE OF STATE OF ST	Western Street	F. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	2 Office August	4 Oct 10 1 60 00	4-76(Tentingan)		2,4-n W F	2 / 5 7 22 22	-tested 12 lb. Fe	-	
Caso Mo (EC.C.)	,	FRACTION	ACV		Ž				2/20	StriO	SAMPLE NO.) (c)	2	TOM ST. MICH.			Herb.	Out	SAMPLE NO. 1-	J	

eventide OC Kenta eventide OC Kenta eventide OC Kenta eventide OC Kenta RECOVERY: eutide OC limits eutide OC limits eutide OC limits eutide OC limits Ø ASTERISKED VALUES ANE OUTSIDE DC LIMITS. VOAL DM ACIO PEST Contendenta: MPO:

FORM TH

77.65

7/85

FORM N

MEIHOU BLAJK SUMMARY

Car to E6623611

0 0

Contractor 175 Knoxuille.

Contract No.

	12.5 0	221 24 A	20127	15 6 7 A.E	3233	MST. 10	CAS MUNOCA	COMPOUND 191, 21C OR UNIXOUND			
	1718-1 EGG 23611	16.00 87		3.15		V 3 100		1 11 4 11			8 5
<u>ٔ</u> ـــٰ				7227		03/5		4,4.0 A.E.	Y	- 447°	
_نــ	1967 99 1-04	119:61		51.25		V 3100		2,4,5-T M.E.	40.1	377	
									~l	4	
;											
					Ī						
-!_											

					İ						
					Ť						
					 						
<u> </u>			 	İ	i						
				-			-				
					<u> </u>						
			+	1	†						
			i								
-				<u> </u>	- -						
				 	 						
			 		_						
			<u> </u>		<u></u>						
			 	<u>-</u>	 	Ī					
			$\frac{1}{1}$	 	-						
ال						-					
ا ٽ	Commission									7	

FORM M

7785

719616

-WATER-WATRIX-SPIKE DUPLICATE-RECOVERY_

Casa No. E66 33611

Contractor IINS Knoxuelle Contract No.

1.1 Discissioners Tris & spiles Only Control Edward Edward 2.4 Trisbooder trac Average On Republican Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima P	FRACTION	Carcara	SAIGS SHOT								
11 Under the contract 11 Under the contract 11 Under the contract 11 Under the contract 11 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 Under the contract 12 U		co-room	ADDED Lay	SAMPLE	Ser. 2	pr (.	٠ روز روز	y.	Ç	2	O STITE OF
11		1.1 Undergraph				3	3	REC	2	200	TRECOURAL
Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Colo	Sak o	を できる 大き			1					,	
Control of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of the boundary of t	Saberle 200	Cht. Wenten		1	1	1					200
124 True base observed 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observed Astronomy 124 True base observe		Tollares									271.17
12.4 Translations 13 13 13 13 13 13 13 1		1 1 1 th Car							Ī		18:1:33
Area statement 18 18 18 18 18 18 18 1		1.2.4 Tox Physics					Ī	Ī	T	7	12-113
14 Oministrations	2					Ī					19:127
Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prima Prim	50				+	1				6	20.02
Prima Prima 18 19 19 19 19 19 19 19	One 1	L. Dinitiations				1				=	40.11
1 1 1 1 1 1 1 1 1 1	ALTERO	Prima		+					T	2	2 4 6
14 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 University 15 Universit		TANGO CAN POUR BOAR						Ī	Î	,	32.07
Prince of section well 18 18 18 18 18 18 18		La Cuer September 1973				-		Ī			18.187
10 10 10 10 10 10 10 10					-	İ		T	Ī	3	41.118
2 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4 Convisional 4	0 0 0 4	- Car X - 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5		-	\dagger	\dagger	1	1		20	\$100 mg
Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared Compared	946	PX TOTAL		-	\dagger	1			_	0.5	9.103
2. 4-0 N.E.	SAGGE NO	Testing of		\mid	1	1		_		-	13.30
2.4-0 N.E. C. (1.60 (10.5)		Come I have bettered		+	1	1				0	27.171
2.4-0 N.E.		A check do the soul		+	1	1				2.4	23.87
2.4-0 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-5-7 H.S. 1.4-				-	\dagger	1				55	10 80
1. 4. 5. 7 H F. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		2.4-0 N.E.	1-1-1		Ì	1				25	20.00
13 19 19 19 19 19 19 19	ANNUE HO	7 X 7 - V - V - V - V - V - V - V - V - V -		1	1	4	1	1	1		100000
14	j			1	1	1				1	20.75
14				1	1	1				60	\$3.178
L				-	$\frac{1}{1}$	†	1			= =	58.121
				1		1				-	28.137

A STEMISKED VALUES ARE OUTSIDE OC LIMITS.

VOAL est of BIN Cot of SI	
RECOVERY:	
eutside OC limits eutride OC limits eutside OC limits eutside OC limits	Salved Plant
25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18 25.18	with the plant of the fire
Ö Æ	Ŝ

eutide OC Endu eutide OC Entit eutide OC Entit eutide OC Entit

Laboratory	- ZATI -	Knoxyille
Case No	F66 23609	

Sam	יפסתינים אומי
MB-1	E66 23604

Organics Analysis Data Sheet (Page 3)

187

Pezticide/PCBs

Concentration # Low Medium (Circle One)	GPC Cleanup DYes ØNo
Date Extracted Prepared 172/27/6	Separatory Funnal Extraction (D) Yes
Date Analyzed	Continuous Liquid - Liquid Extraction DYes
Cone (Dil Factor) 1/2 1/10	
Percent Moisture (decanted)	

CAS ug/lor (og /lor (Up/I or og/Xg
1923-38-7	2,4-0 M.S.	-20 U
	2,4,5-T M.E.	1 < 7.16

V. . Volume of extrem improved (id)

V # V tisette of summer automated total

W₄ * Weight of complete extracted (g)

V . • Volume of test entrol (vil

4. Modified prop; see more time?

form

Case No F66 23605

Sompo humasi AB-3 E66 23669

Organics Analysis Data Sheet (Page 3)

203

Pesticide/PCBs

Concentration & Low Medium (Circle One)	GPC Cleanup 🗆 Yes 🖾 No
Data Extramed Prepared Cherralez 136 1/16/37	Separatory Funnel Extraction Dives
Date Analyzed	Continuous Liquid - Liquid Extraction Dyes
Corc(Dil Factor) 1/2, 1/5	•
Percent Moisture (decanted)	

CAS Number		ug/I an ug/Xg
1928-38-7	12,4-0 M.E.	1 <20.4
	12.4.5-1 19.8.	1 × 2. U
-		
<u> </u>	<u> </u>	
L	<u> </u>	1

V. . Vehicles of access rejected (M)

V. Volume of water overseast total

W a whomas of a name amount and

V. . Vistame of tend partners had

v. madisiad organizar and dist

Form 1

7:25

TTAC	- Knoxville		
Case No E66 236			Sample Number
Case No		alysis Data Sheet	SPiked Blank
	-	age 3)	004
	Pestic	ide/PCBs	
	dium (Circle One)	GPC Cleanup DYes \$	āno onē
Date Extracted /Propared/		Separatory Funnel Ex	traction DYes
Date Analyzed	/ 	Continuous Liquid - Li	quid Extraction DYes
Conc Dil Factor	,		
Percent Moisture (decanted)			
	CAS Number	ug/I or og/Ra ICurcia Cresi)
	1923-38-7 2,4-0 M.	E	
	2,4,5-1	1.E. /.3.5	
. ,			
		•	
•			
	•	ज्ञानत क्लान्स (भ)	
	V _s = Volume of v	भ्यात्रा हत्रावटाव्य भागी। 	
	W. · Wanger of sa	move encoded (g)	
	V _L . Volume of t	टार्श क्षतारक्ष (प्रा)	
٧,	aw. 50 a	V,	, 2 ml
4. Modified press;	ace meration!	attima titis (- mayasisani saprimis As inga da ana da sa sa sa sa sa sa sa sa sa sa sa sa sa	** A manufactural section of manufactural section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section o

form !

Case No EGG 23548

Semple Number MBZ-Евв 23548

Organics Analysis Data Sheet (Page 3)

Pesticide/PCBs

00075

Concentration * Low Medium (Circle One)	GPC Cleanup DYes ØNo
Date Extramed / Prepared: 19/17/96	Separatory Funnel Extraction 😅 Yes
Date Analyzed: 1/7.8/87	Continuous Liquid - Liquid Extraction DYes
Conc (Dil Factor)	
Percent Moisture (decanted)	

CAS Number		(Eiren One)
1928-38-7	12,4-0 M.E.	1 41 4
	2,4,5-T M.E.	1 -0.14
		1

V. = Volume को एकरवटा महत्वरावर्ग (पी)

V. Volume of water secretary (mil)

W_a * Weegin of samova emission (g)

V₁ • Volume of total extract (ul)

v. 1000 ml aw. v. 5000 wl v. 2 ml

Form 1

7:25

Case No			Sample Number Spiked Blank
		ysis Data Sheet ge 3)	
•	Pesticid	e/PCBs	00082
Concentration * Low M	12/17/86	GPC Cleanup 日Yes 舜i Separatory Funnel Extr	
Date Analyzed:	187	Continuous Liquid - Liq	uid Extraction DYes
Percent Moisture (decanted)			
	CAS Number 1928-38-7 2,4-0 M.E.	(Corele Ona)	
	2,4,5-T M.		
r			
		•	

V_i • Volume of earriest myested (iii)

Vs * Vedume of motor extracted (mil)

W₃ • Weight of sample extrapped (a)

V₁ • Volume of result emiser (ul)

4. Modified prep; see necretion.

Form 1

7:25

	TAS - KNOXVIIIa -	183	Sample Number
Case No <u>F&</u>			4183-866 235
	-	ysis Data Sheet	
•	. (24	ge 3) · .	
	Pesticio	te/PCBs	
oncentration * Low	Medium (Circle One)	GPC Cleanup 日Yes 類	No.
ste Extracted / Prepared .		Separatory Funnel Extr	action DYes
	9/11	Continuous Liquid - Liq	uid Extraction DYes
onc Dil Factor			
rcent Moisture (decanted	1)		
	CAS	wg/lor wg/Kg	
	1928-38-7 2,4-0 M.E.	(Cireso Great	
	12.4.5-1 M.	E. \(\frac{1}{2}\) \(\frac{1}{2}\)	
,			
•			
		•	
	•		
	•		
			:
	,	•	
	V _i * Volume of emi	SCI MASCING (M)	
	V _a * Volume al wat		
	W _s = bboogm ed som	•	
	_		
	V _t s Aojawe 6(:ars		
4. Wadified pre-			

Form 1

7 . 25

173 siked Blank Organics Analysis Data Sheet (Page 3) Pesticide/PCBs Separatory Funnel Extraction MYes NA

Continuous La (Circle One) GPC Cleanup Tres MNo Medium Date Extracted Prepared 12/17/86 Continuous Liquid - Liquid Extraction DYes Conc (Dil Factor) Percent Moisture (decanted) Circle Ores * Volume of extract repacted (ul)

Form 1

4. Modified prep; eas narrantive.

W_s = Weight of sample extracted (6)
V, = Volume of total extract (4)

TTAS - Knoxville 23550 201 -5-1 ac Organics Analysis Data Sheet (Page 3) Pesticide/PCBs (Circle One) GPC Cleanup @Yes @No Medium Separatory Funnel Extraction DYes Date Analyzed Continuous Liquid - Liquid Extraction TYes Conc (Dil Factor) Percent Moisture (decanted) ... CAS Number 928-38-7 | 2,4-0 M.E. 12,4,5-T M.E. * Valume of sared mysered (ul) s Volume of weigr sarrected (mi) W. . Weight of sample emiscise (g) * Volume of total extract (ul) 4. Modified prop; see morrowing.

Form 1

Laboratory Name			1	Number
Case No	Organics Analys (Page		F51 G	C MS
	Pesticide/			21
Concentration * Low Medium	(Circle One)	GPC Cleanup □Yes ŒN	o .	
Date Extracted / Prepared 12/1	7/36	Separatory Funnel Extra		
Date Analyzed: 1/9,10/87 Conc (Dit Factor) /20000 //0	10.00	Continuous Liquid - Liqu	nd Extraction	□Yes
Percent Moisture (decanted)	9000	•		
CAS Numb 1928-	38-7 2,4-0 M.E. 2,4,5-T M.E.	1 99000. 5 1 180000. 5		
,				
			·	
	V _s • Volume of extrac	i maginas (ul)		
	V ₂ = Volume of water			
	W _s = Wesgin of samose	•		
	V. • Volume of Issail e			

\$ as m

4. Modified perpissen

Sample Number 23609 Organics Analysis Data Sheet (Page 3) 214 Pesticide/PCBs GPC Cleanup DYes MNo Medium Separatory Funnel Extraction TYes Continuous Liquid - Liquid Extraction DYes Conc (Dil Factor) . Percent Moisture (decanted) . ICHELO Onal 1928-38-7 | 2,4-0 M.E . Volume of earner mysered (wi) * Vetural of water extracted (mil) Ws • Weight of sample entreposed (g) V₁ * Values of test corner (ui) 4- Modified prep; see narration.

€

7:25

Form 1

Laboratory Name -	1182 - KRC)XV: , ; e
Case No E66		
		Organics Analysis Data Sheet
		(Page 3)

AD-5 GC MSD

226

Pesticide/PC8s

	rz/zz/86 n //14/87	GPC Cleanup @Yes @No Separatury Funnel Extraction @Yes
Date Analyzed:	7	Continuous Liquid - Liquid Extraction DYes
Percent Moisture (decanted)		
	CAS Number	(C+대 이제)
	1928-38-7 2,4-0 M.E. 2,4,5-7 M.E.	//. s // 5

V Velume of earther myseled (ul)

V. a Valuma al water extraores mai

W₃ • Weight of Lemon someoned (5)

V₁ • Volume of test emison (wi)

v. modified prep; see nerrotive.

Form 1

7:25

TTAS - Knovville . Semple Number Case No EGG 33610 11172 856,23616 Organics Analysis Data Sheet (Page 3) 00009 Pesticide/PCBs GPC Cleanup Dres @No (Circle One) Date Extracted / Prepared 12/20/21 . 1/14/87 Separatory Funnel Extraction @Yes Date Analyzed 1/15 16 197 Continuous Liquid - Liquid Extraction DYes Conc (Dil Factor) . Percent Moisture (decanted) ...

CAS Number	Linch One
1928-38-7 1 2,4-0 M.E.	1 ~1. U
1 2,4,5-T M.E.	1 40.1 11
	l l
	ı
	1

V . . Volume of extract injected (ul)

V_g * Volume of water extracted (mi)

W_K * Weight of sample existing (g)

V, * Volume of total extract (ul)

v. 1000 ml or w. v. 5000 ul v. Dell v. Dell

Form 1

1013

Laboratory Name 17AS - Knoxvilla - Case No EGG 23610

Somple Number
POTW GC MS

Organics Analysis Data Sheet (Page 3)

00109

Pesticide/PCBs

Concentration * Low Medium (Circle One)	GPC Cleanup DYes MNo
Date Extracted Prepared 1/14/37	Separatory Funnel Extraction 22 Yes
Date Analyzed	Continuous Liquid - Liquid Extraction @Yes
Cone (Dil Factor) 15	
Percent Moisture (decanted)	•

CAS Number	(Circle One)
1928-38-7 2,4-0 M.E.	1 1.55
1 2,4,5-T M.E.	1 × 6.1 U

v	* Valume	of carrier	mount of t	4415

v <u>.</u>	500001	or W _s	V. Ernaul	v
		see narration.	•	•

Form !

1014

V. * Volume of water extracted (mi)

W. 8 Weight of sample estracted (c)

V . 8 Visiona of total amore (i.i)

Laboratory Name 1745 - Xnoxville:

Case No EGG 93610

Sample Number POTW QC HSD

Organics Analysis Data Sheet (Page 3)

Pesticide/PCBs

00119

Concentration & Low Medium (Circle Une)	GPC Cleanup DYes PNo
Date Extracted Prepared 1/14/87	Separatory Funnel Extraction @Yes
Date Analyzed	Continuous Liquid - Liquid Extraction DYes
Conc Dil Factor	
Percent Moisture (decanted)	·

CLS Number	(Circle One)		
1929-38-7 2,4-0 M.E.	1 1.25		
12,4,5-T M.E.	1 40.1 (1		
	1		

V. a Volume of extract impacted (ul)

Vg . Volume of water extracted im-

W_ू र Weight of samore बसारशास्त्र (g)

V * Molume of total extract (ul)

4. Modified prep; exercention.

Form 1

1015

Case No	ESE	23611				Sem	pia Nur	77.5
			0			MB-1	E66	23
			Urganics And	alysis Data Sh age 3)	at	-		
	•		•	age 5)				20
			Pestic	ide/PCBs				20
Concentration		Medium	(Circle One)	GPC Clear	iup 🗆 Yes 🛱 f	40		
Date Extracted					Funnel Extr.			
Date Analyzed	1/9	,			s Liquid - Liq			
Conc Dil Factor)	150				O'O CAITEC	ion Litt	25
Percent Moistur	e (decanted	3)						
		CA5			eng			
		Number		~9	Circle One)			
		1928-3	3-7 2,4-0 M, 5 2,4,5-1 M		1 4			
		<u> </u>		1	2111			
	, .							
	•							
	•							
		•						
	٠.							
						•		
						•		
						٠		
			V, • Volume of and					
		٧	s Volume of wat	का क्यारकटाक्ट (गान)				
		٧	V _s * Weight of sam	चार बनाहराक्ष्य (g)				
			Volume of total					
٧,	***************************************	. or W	ration.	ب مرمر ترسمی ۷	. i*	7 . 1		

form 1

1016

ITAS - Knoxville Case No _ EG-G 23/6/1 217 Organics Analysis Data Sheet (Page 3) Pesticide/PCBs Concentration * Low Medium (Circle One) GPC Cleanup Tyes MNo Date Extracted Prepared 12/23/86 Separatory Funnel Extraction Dives Date Analyzed: 1/9 10/87 Continuous Liquid - Liquid Extraction DYes Percent Moisture (decanted) ... 2,4,5-T M.E V. . Volume of sales injected (ul) V₃ * Volume of water extracted [mil] Ws # Wargin of samore extracted (g) V . * Volume of total estract (ul) 4. Modified prep; see merentine.

Form 1

Laboratory Name ITAS - Knoxvilla.

Case No EEG 236/2

Sample Rumber XAD Blank

Organics Analysis Data Sheet (Page 3)

00001

Pert	icide	/PCR	•

Concentration * Low Medium (Circle One)	GPC Cleanup DYes ØNo
Date Extracted /Prepared 12/20/36	Separatory Funnel Extraction (Q Yes
Date Analyzed ///0 /1/87	Continuous Liquid - Liquid Extraction @Yes
Conc (Dil Factor)	
Percent Moisture (decanted)	
CAS	waster with the

1720-30-7	12,4-0 M.E.	
	12,4,5-T M.E.	1 41.14
	1	

V. • Volume of serract impected full

V. Volume of water extramed mill

W . Warren of exercise american int

V. 3 Volume of total extract full

٧,	ww,	V FOOGLEP	v,	Bull
¥.	evities prop; and marrative.	•	•	

Form 1

1018

				BACTURES IN THE REPORT OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE
Laboratory Name	AS - Knoxville -			
Case No _ EGG - 2	23615			Sample Number
		cs Analysis Dat	a Shaet	T BIK 791
		(Page 3)		REAGENT BLANK
•		Pesticida/PC8s		00012
Concentration * Low	Medium (Circle O	ne) GPC	Cleanup 日Yes 質i	,
Date Extracted / Prepared .	12/22/86	Sepa	ratory Funnel Extr	
Date Analyzed	187		inuous Liquid - Liq	uid Extraction DYes
Conc Dil Factor				
Percent Morature (decanted	1)			•.
	C. C.		eig	
	CAS Number		(Circle One)	
	1928-38-7 2,4	-0 M.E.	1 <1.4	
	12,4	,5-T M.E.	1 -0-166	
7			1	
		•	•	
•				
				,
	••			
				:

Form 1

4. Modified prep; see narration.

V_s * Volume of extract imposted (iii)
V_g * Volume of mater extracted (iii)
W_g * Weight of sample extract (ii)
V_s * Volume of total extract (iii)

Appendix T, Exhibit 6

Metals Analysis Data Summary

CASE SUMMARY

- Metals normally analyzed by inductively coupled argon plasma spectroscopy (ICAP) were analyzed by atomic absorption spectroscopy due to a malfunctioning ICAP unit.
- II. Lead was detected in preparation blanks for liquid and solid samples at a concentration less than the contract required detection limit (CRDL) and close to the instrument detection limit (IDL): 1.2 micrograms/liter and 2.4 micrograms/liter respectively.
- III. Cacodylic Acid Determination of armanic in an organic compound
 - 0.5 grams of (CH₂)₂AsO₂Na·3H₂O were prepared as if the solid were a client submitted solid. The results for arsenic analysis are as follows:

Observed (ppm)	Theoretical (ppm)	Z Racovary
1067.	877.	122

IV. Spike Recovery - In summary, the following elements have been labeled as nonconformance:

Element	Lab ID #	Client #	Matrix
Pb	AA6455/AA6455-spika	THT-5	Liquid
Hg	AA6455/AA6455-spike	ENT-5	Liquid
Se	AA5455/AA64S5-spika	ent-5	Liquid
As	AA5920/AA5927	FS-1	Solid

Comments: Low recovery factors for the single standard addition mathod were observed during marcury analysis for the ENT-5 spike. A spike of 0.004 ppm marcury was added because the normal spike of 0.001 ppm could not be seen.

V. Duplicata Preparation - In summary, the following elements have been labeled as nonconformance:

Element	Lab ID #	Client #	Matrix
Яg	AA6455/AA6455-spiks	ENT - 5	Liquid
Hg	AA5920/AA3927	PS-1	Solid
Рb	AA5920/AAS927	FS-1	folid

Desertion of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the

Metals Data Summery	Food Stock Samilar	autimor coordination
Laboratory ID: ITAS Knoxville	Case: EG&G	Concentration Units: #g/kg

nits: #g/kg	FS-1 FS-2 FS-3 FS-5 FS-6	5.50 9.80 4.10	J 61.00 39.00 23.00 J	U 0.20 U 0.20 U	8.40 7.30 5.80	7.00 12.00 7.00	0.02 U 0.02 0 12	2.80 U 2.10 J 2.00 U 1.73 J 2.00	U 0.20 U 0.20 U
Concentration Units: mg/kg	FS-1		ח	_	8.10	10.00	9.04	2.60 U	Ø.20 U
Concentratio	Analyte	ARSENIC	BARIUM	CADIMIUM	CHROHIUM	LEAD	HERCURY	NICKEL	SELENIUM

U - Not detected. The value reported is the required detection limit. J - Detected, but at a level less than the required detection limit. This is an estimated value.

Laboratory ID: ITAS Knoxville Case: Ecac Concentration Units: mg/kg

Metals Data Summary Soil Samples

BS-1	4.90 10.00 J 9.20 L 3.10 1.60 0.02 U 2.10 J 0.20 U
AD-6	3.50 12.00 J e.17 J 5.90 6.20 0.02 U 2.40 J 6.20 U
AD-5	3.60 27.00 0.20 U 5.80 4.50 0.02 U 2.00 J 0.20 U
AD-3	3.96 48.66 0.20 U 7.66 4.06 6.03 2.60 J 6.20 U
AD-2	2.76 24.00 0.20 U 4.90 4.20 6.02 U 1.80 J 0.20
AD-1.	3.66 38.66 J 8.26 U 4.16 3.46 9.92 U 2.48 U 6.20 6.32 U
Analyte	ARS NIC BARNY CADMINY CHROMIUNY LYAD BENCURY NICKEL SELEMIUM SILVER

U - Not detected. The value reported is the required detection limit.

J - Detected, but at a level less than the required detection limit. This is an estimated value.

Laboratory ID: ITAS Knoxville Case: EG&G Concentration Units: ug/L

Metals Data Summary ENT Water Samples

Analyte	ENT-8	ENT-1	ENT-2	i.i	ENT-6	
			* * * * * * * * * * * * * * * * * * *	: : : : : : : :	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	•
KRSENIC	196.00	404.00		308.00	196.00	
BARIUH	93.00 J	142.00 J		92.00 3	208 00	
CADGIUM	11.00	20.00		1.60 U	3.80	
CHRCHIUM	122.03	174.00	148.00	234.00	322.00	,
LEAD	85.60	99.60		37.60	48 99	
4ERCURY	0.41	1.60	1.40	1.70	3.80	
VICKEL	154.00	151.00		36.00 J	46.00	
SELENIUM	182.00	185.00		46.00		
SILVER	0.86 J	0.55 J		1 87 0		-

U - Not detected. The value reported is the required detection limit.

- Detected, but at a level less than the required detection limit. This is an estimated value.

Laboratory ID: ITAS Knoxville Case: EGAG Concentration Units: ug/L

Metals Data Summary Water Samples

4/B1	1.00 U 20.00 U 1.00 U 4.90 J 6.20 U 10.00 U
AD CH	5.60 J 449.00 1.00 U 32.00 173.00 13.00 23.00 U 60.00 U
POTW	13.88 204.00 12.00 10.00 U 2.50 J 0.40 U 30.00 J 66.00
BB6	4.00 U 20.00 U 1.00 U 35.00 17.00 6.20 U 2760.00 1.30 U
885	1.00 U 20.03 U 1.00 U 38.00 35.00 0.20 U 2420.03 1.00 U
BB-1	2.10 J 56.90 J 1.00 U 27.00 49.00 6.52 2650.00 6.00 U
Analyte	ARSENIC BARIUM CADHIUM CHECHIUM LEAD HERCURY MICKEL SELEMIUM SILVER

U - Not detected. The value reported is the required detection limit. J - Detected, but at a level less than the required detection limit. This is an estimated value.

U.S. EPA Contract Laboratory Program Sample Hanagement Office P.O. Box 810 - Alexandria, VA 22313 703/557-2490 FTS: 8-557-2490

. 0 0

Date 1-16-87

COVER PAGE INORGANIC ANALYSES DATA PACKAGE

Lab Name TA	:- Knoxville	Case No.	
SOW No.		Q.C. Report	No. EGG 23548-550-6
	Sample	Numbers	
EPA No.	Lab ID No.	EPA No.	Lab ID No.
<u> </u>	AA 5840	ND-2	AA5924
ENT - 1	AA 5841	_AD-3	AA SOLS
ENT-2	A25147	ES-6_	AA6438
88-1	A+5343	AD-6	AA 6434
FS-1		<u>Es-s_</u>	A7-644U
FS-Z	AA5921	AD-5	AA-641
FS-3	AA5922		AALAAN (Ku)
AD-1	MA5913		
oments:			
A	V - Und as desi-	mation for a	malyris buy
		•	• 4
	Carc Variation	technique to	maneur
	_		4
CP interelement	and background correction	ns applied? Yes	Но
f yes, correction	ons applied before	or after gen	neration of raw data.
ootnotes:			
R - Not requi	ired by contract at this	time	
orm I:			
	esult is a value greater limit but less than the	-	
report th	he value in brackets (i.e	., [10]). Indicate	the analytical
	sed with P (for ICP), A		
	s element was analyzed fo no despection limit value		xeport with the
- Indicate:	s a value estimated of no	t reported due to t	
	ence. Explanatory note i	•	•
	s value determined by Mar s spike sample recovery :		
- Indicate	s duplicate enalysis is n	oc wighin control 1	inits.
- Indicate	s the correlation coeffic	ient for method of	scandard addition is
	n 0.995 s duplicate injection res	ulis exceeded contr	ol limits.
	,		
ndicate method :	usado P for ICPo A for El	are AA and F for Fu	Thace.

B - 7

And the second statement of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon

U.S. EPA Contract Laboratory Program Era Sample An. Sample Management Office FS-1 . P.O. Box 818 - Alexandria, VA 22313 703/557-2490 FTS: 8-557-2490 Date 1-16- 17 INORGANIC ANALYSIS DATA SHEET LAS MANE TTAS- KARNING CASE NO. SOU NO. LAB SAMPLE ID. NO. AN 5910 QC REPORT NO. EGG 23549 - 570-609 - 6 Elements Identified and Messured Low ____ Concentration: Soil _ Sludge ____Other ____ Hatrix: Vacar ug/L or (mg/kg dry weight) (Circle Cne) 13. Hagnesium 1. Aluminum 14. Kanzenese 2. Antimony 32 5 N E 15. Mercury 0.04 * 3. Arsenic 4. 341100 [31] [(Ku) A 16. Nickel LU 5. Beryllium 17. Potassius ozu 6. Cadmium 18. Selenium 0.34 19. 511var 0.024 F 7. Calcium 8. Chromium & 1 A 20. Sodium 9. Cobalt___ 21. Thallium 22. Vanadium 10. Copper____ 11. Iron 23. Ziac Frecent Solids (1) 92.66 12. Lead 10. * Cyraide Footnotes: For reporting results to EFA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes emplaining results are encouraged. Definition of such flags wast be explicit and contained on Cover Page, however. Comments: _

3 - 8

Lab Manager Keithering Lill

STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STORM TO STO

.S. EPA Contract Laboratory Program imple Management Offica .O. Box 818 - Alexandria, VA 22313 03/357-2490 FIS: 8-557-2490 INGEGANIC ANAL	EPA Sample No.
Indeganic anal	Dana India am
THE WATER WINE	VSIS DATA SHEET
B NAME TOR - KAROWAL	CASE NO.
DW NO.	of Appropriate Control of Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Cont
A SAMPLE ID. NO. A4597	QC REPORT NO. EGG 23545-5
Elewants Identi	.fied and Heasured
oncentration: Low	Hadium
	Sludge Other
Aluminum	lry vaight (Circle One)
	14. Manganese
	13. Mercury O.OLU H AV
	16. Hickel [Zi] A
	17. Pozassium
Cadatus 0.2u A	in. Selenius OZU C
Calcius	19. 511ver 0074 E
Chromium 8 4 A	20. Sodium
Cobale	21. Thallium
c Copper	23. Vanadium
L. Aton	23. Zine
1. <u>Loss</u> 70 £ E	Precent Solids (1) 9/35

U.S. EPA Contract Laboratory Program Sample Management Office	EPA Sample No.
P.O. Box 818 - Alexandria, VA 22313	<u>FS-3 ~</u>
703/557-2490 FTS: 8-357-2490	Date 1-14-57
INGRGANIC A	NALYSIS DATA SHEET
LAS NAME ITES - Kensylle	CASE NO.
SCW NO.	AMELON DE 1777 4
LAS SAMPLE ID. NO. AS 5932	QC REPORT NO. ECC 73549-550-604-0
and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	do mar age to my promise man and the
Eloments Iden	ncified and Massured
Concentration: Low	Hadium
Hatrim: Water Soil	Sludge Ocher
ug/L or (ug/k;	g dry weight (Circle One)
i. Aluminos	15: Association
2. Antimony	14. Manganese
3. Arsenic 99NS F	
4. Barium 39 A	16. Nickel Lu A
3. Beryllium	
6. Cadatua S.Z.L. A	18. Salentua OZ F
7. Calcius	14. 511ver 9.574 F
E. Chrosius 73 A	20. Sodium
9. Cobalt	21. Thallium
10. Course	77. Vanadius
11. Iron	23. 2150
13. Lead 12 * F	Precent Solids (2) 91.54
Cyanida	
Footnotes: For reporting results to E	PA, standard result qualifiers are used
es defined on Cover Page.	Additional flage or footnotes explaining
rasults are encouraged. S and contained on Cover Pag	Pation tion of such flags wast be explicit
	•
Consent:	
AND THE PROPERTY SECTION AND THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF T	
	I No Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie Marie M
	LED Manager Latitudian Library

B -- 3

U.S. EPA Contract Laboratory Program Sample Management Office P.O. Box 818 - Alexandria, VA 22313 703/357-2490 FTS: 8-557-2490 INORGANIC ANALY LAB NAME Trace Contribe	Date 1-16-97 CASE NO.			
LAB SAMPLE ID. NO. AACAGO	QC REPORT NO. EGG 23541-550-609-			
	ied and Keasured			
Concentration: Low	Hedium			
Concentration: Low	Sludge Other			
desirant desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant con desirant	ordinates with the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the fall green control of the			
ug/L or mg/kg dr	ry weight (Circle One)			
1. Aluminum	3. Hagnesius			
2. Antigony 1	4. Manganesa			
3. Arsenic 4.1 s N F	5. Mercury O 12. * AV			
4. Bartum [23] A 1	6. Nickel [1.7] A			
5. Bervilium 1	7. Potassium			
	8. Selenjus OLU F			
	9. Silver O.DZU F			
	C. Sodium			
	l. Thallium			
	2. Vanadium			
	23. Zine			
12. Lead 7.0 * F F				
Cyanide				
Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Pags. Additional flags or footnotes explaining results are encouraged. Definition of such flags sust be explicit and contained on Cover Page, however. Comments:				
•	Lab Menager tathing wholey			

H - 8

U.S. EPA Contract Laboratory Program Sample Management Office P.O. Box 818 - Alexandria, VA 22313 703/557-2490 FTS: 8-557-2490	EPA Sample No. F5-6 Date 1-16-37
INORGANIC AMA	LYSIS DATA SHEET
LAB NAME ITAS-KARVILLE	* · · · · ·
SOW NO.	CASE NO.
LAB SAMPLE ID. NO. AA6439	QC REPORT NO. EC.C. 23549 - 556- 664-
	40 mioni no. Edit 43/101- 100- 00/
Elements Idenc	ified and Messured
Concentration: Low	Hedium
Matrix: Water Soil	Sludge Other
data producti delicano antino del del construire del del construire del del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del construire del const	- Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carr
ug/L or (mg/kg	dry weight) (Circla One)
1. Aluminum	13. Hagnesium
2. Antimony	14. Manganese
3. Arsenic GZ & N F	15. Mercury 0.074 + AV
4. Barium [77] Emper (mu) A	16. Nickel Zu A
5. Beryllium	17. Potassium
6. Cadmium [0.7.3] A	
7. Calcium	19. Silver popul F
8. Chronium 5.7 A	20. Sodium
9. Cobalt	21. Thallium
10. Copper	22. Vanadium
il. Iron	23. Zinc
12. Lead 6.6 * F	Precent Solids (I) 91.16
Cyanide	
	Additional flags or footnotes explaining finition of such flags must be explicit
Comments:	•
	. Lab Hanager Katherine Whaley
	7

U.S. EPA Contract Laboratory Program Sample Management Office P.O. Box 813 - Alaxandria, VA 22313 703/557-2490 FTS: 8-557-2490	EPA Sample No. AD-1 - Date 1-16-97
INORGANIC ANA	LYSIS DATA SHEET
TAB NAME ITAS - Knoxville	CASE NO.
'OW NO.	Comment of the Property of State of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Property of the Proper
AB SAMPLE ID. NO. AASAZ3	QC REPORT NO. EGG 73547-550-609-
•	ified and Measured
Contentration: Low Soil ✓	Medius
Hazrin: Water Soil	Sludge Other
	dry weight (Circle One)
1. Aluminum	
2. Antimony	14. Manganese
	15. <u>Mercury 0.02.0.* A-V</u>
t. Jarius [30] A	16. Nickel Zu A
5. Bervilium	
6. Cadmium O.Lu A	lö. Salanium C.2. E
7. Celcius	19. Silver O.O.L. F
8. Chronium 41 A	20. Sodius
9. Cohalt ·	21. Thallium
10. Copper	22. Veradius
11. Iren	23. Zioc
12. Land 3.4 % F	Precent Solids (2) 11.53
Cyanide	•
Footnotes: For reporting results to El as defined on Cover Page. results are encouraged. De and contained on Cover Page Connents:	Additional flags or footnotes explaining of inition of such flags must be explicit to however.
	Les Manager Kathanalislala

3 - 8

U.S. EPA Contract Laboratory Program EPA Sample No. Sample Management Office AD-L/ P.O. Box 818 - Alexandria, VA 22313 703/557-2490 FTS: 8-557-2490 Date 1-16-97 INORGANIC ANALYSIS DATA SHEET LAB MAME ITAS - Knowle SOW NO. LAB SAMPLE ID. NO. AA5914 QC REPORT NO. EGG 13541-570-409-610 Elements Identified and Measured Medius ____ Concentration: Sludge Other Matrix: Water Soil ug/L or (mg/kg dry weight)(Circle One) L. Aluminum 13. Magnesium 2. Antimony 14. Hanganese 2.7Ns = 15. Hercury Oozu + J. Arsenic 4. Barium Za A 16. Nickel [1.8] 5. Bervllium 17. Potassium 6. Cadmius O.Au 18. Selentum C.Z. 19. Silver OOZU F 7. Calcium 4.9 A 20. Sodium 8. Chronium 9. Cobalt 21. Thallium 10. Copper 22. Vanadium 11. Iron 23. Zine Precent Solida (2) 74.98 12. Lead Cyanide Footnotes: For reporting results to EPA, atanderd result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

t - 3

Las Monager Katherina Whale

U.S. EPA Contract Laboratory Program Sample Management Office P.O. Box 818 - Alexandria, VA 22313 703/557-2490 FTS: 8-557-2490	AD-3
	Date 1-16-97
, 1	LYSIS DATA SHEET
	CASE NO.
SOW NO.	
LAB SAMPLE ID. NO. ATT925	QC REPORT NO. <u>EGG 23549-550-609-</u>
	ifted and Messured
	Medium
Hatrix: Water Soil	Sludge Other
ug/L or ag/kg	dry weight (Circle One)
2. Antimony	14. Mangamese
3. Arsenic 3.9Ns F	15. Mercury 0.03 * AV
4. Barium 48 A	16. Nickel [2.6] A
5. Beryllium	17. Pocassium
6. Cadmium C.Zii A	
7. Calcium	18. <u>Selenius</u> <u>0.24</u> F 19. <u>Silver</u> <u>0.024</u> F
8. Chronium 76 A	20. Sodium
9. Cobalt	21. Thallium
10. Copper	22. Vansdium
11. Iron	23. Zine
12. Land 4.0 + F	
Cyanide	And the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t
	Additional flags or footnotes explaining finition of such flags must be explicit
2) ë

Sample Management Office P.O. Box 818 - Alexandria, VA 22313 703/557-2490 FTS: 8-557-2490	To add the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of
Thougante	Date 1-16-57
	ANALYSIS DATA SHEET
	CASE NO.
SOW NO.	
LAB SAMPLE ID. NO. AA6441	QC REPORT NO. ECC 23547-570-LC9-
Elements Ide	enzified and Measured
Concentration: Low	Medium
Matrix: Water Soil	Sludge Other
ug/L or (mg/k	kg dry veight (Circle Une)
1. Aluminum	13. Hagnesium
	14. Manganese
3. Arsenic 36 s N F	15. Hercury O.OZLL - AV
4. <u>Barium</u> <u>27. A</u>	16. Mickel [2.0] A
5. Bervllium	17. Potassium
6. Cadmium O.Zu A	18. Selenium O.LU F
7. Calcium	
8. Chromium 5.9 A	
9. Cobalt	21. Thallium
10. Copper	
ll. Iron	23. Zine
12. Lead 4.5 * F	Precent Solids (2) 74.11
Cyanide	_

U.S. EPA Contract Laboratory Program Sample Management Office P.O. Box 818 - Alexandria, VA 22313 703/357-2490 FTS: 8-557-2490	Date 1-16-37
INORGANIC ANAI	YSIS DATA SHEET
LAB NAME	CASE NO.
SON NO.	CONTRACTOR AND ADDRESS OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE
LAB SAMPLE ID. NO. AAGABG	QC REPORT NO. ELL 23541 - 550 - 609
	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
Elements Identi	fied and Measured
Concentration: Low	Medium
Hatrix: Water Scil	Sludge Other
ug/L or mg/kg o	dry weight (Circle One)
2. Antimony	13. Magnesium 14. Manganese
3. Arsenic 3.5 s N F	15. Mercury © OZU * AV
4. Barium [13](w) A	16. Nickel [2.4] A
5. Beryllium	17. Potassius
6. Cadmium [O.17] A	18. Selenium D. Lu F
7. Calcium	19. Silver O.O.L. F
8. Chromium 5.9 A	20. Sodium
9. Cobalt	21. Thallium
10. Copper	22. Vanadium
11. Iron	23. Zinc
12. Lead 6.2 * F	
Cyanide	
	Additional flags or funtnotes explaining finition of such flags must be explicit
	. Lab Manager Kathesin Waley

B - 8

U.S. EPA Contract Laboratory Program	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Sample Hanagement Office)
P.O. Box 818 - Alexandria, VA 22313	3 BS-1 V
703/557-2490 FTS: 8-557-2490	Den la 11 de 17
THORGANIC	Date 1-16-97 ANALYSIS DATA SHEET
LAB NAME ITAS - KNOXUINE	
	CASE NO.
SOW NO. LAB SAMPLE ID. NO. AA L449	QC REPORT NO. EGG 23541-550-6
	40 101011 1101 000 103313-033
Elements Id	dentified and Measured
Concentration: Low	Medium
fatrix: Water Soil	Sludge Other
_	
ug/L or mg/	/kg dry weight (Circle One)
. Aluminum	13. Magnesium
2. Antirony	14. Manganese
3. Arsenic 4.93 N F	15. Mercury O.O.Z. u. + AV
Barius Cio.7 A	
Beryllium	17. Potassium
Cadmium O.Zu A	
. Calcium	19. Silver pozu F
6. Chromium 3.1 A	
. Cobalt	
O. Copper	
1. Iron	23. Zinc
2. Lead 1.6 * F	Precent Solids (2) 95.50
yanide	

U.S. EPA Contract Laboratory Program Sample Management Office P.O. Box 818 - Alexandria, VA 22313 703/557-2490 FTS: 8-557-2490 INORGANIC AN LAB NAME	Date 1-16-37 MALYSIS DATA SHEET CASE NO.
LAB SAMPLE ID. NO. AASTAO	QC REPORT NO. EGG 23543-310-601-6
Elements Iden	stified and Heasured
	Hedium
	Sludge Other
ug/L er mg/kg	dry weight (Circle One)
1. Aluminum	13. Magnesium
2. Antimony	14. Hanganese
3. Arsenic 196. E	15. Hercury 0.41 N * AV
4. Bartum [93] A	16. Nickel 154. A
5. Beryllium	17. Potassium
6. Cadmium () A	18. Selenium 187. 5 N F
7. Calcium	19. 511ver [034] [
8. Chromium IZZ. A	20. Sodium
9. Cobalt	21. Thalliez
10. Copper	22. Vanadium
11. Iron	23. Zine
12. Lead 95. a N F	Precent Solids (2)
Cyanide	
as defined on Cover Page.	PA, standard result qualifiers are used. Additional flags or feetnotes explaining. Definition of such flags must be explicit ge, however.
Comments:	
	Lab Hansger Ketherical Valey

H - 3

THORCANIC	Date 1-16-97
B NAME ITAS-KASSINE	
	CASE NO.
W NO. B SAMPLE ID. NO. AAS941	QC REPURT NO. ECC 13543-550-609
Elements Ide	entified and Measured
	Medium
trix: Water Soil	Sludge Other
Aluminum dg/D or Eg/k	g dry weight (Circle One)
Antimony	14. Manganese
Arsenic 404 s F	15. Hercury 1.6 N & AV
Barius [MZ.] A	16. Nickel 151 A
Beryllius	17. Potassium
Cadmium Zo. A	
Calcium	, , ,
Chronium 174 A	20. Sodium
Cobalt	
Copper	
Iron	23. Zinc Precent Solids (2)

ያ - 2

U.S. EPA Contract Laboratory Program Sample Hanagement Office P.O. Box 818 - Alexandria, VA 22313 703/557-2490 FTS: 8-557-2490	Date 1-14-87
INGEGANIC ANA	YSIS DATA SHEET
LAB NAME ITTAS - Kurville	CASE NO.
SOW NO.	
LAB SAMPLE ID. NO A45842	QC REPORT NO. 556 13543 - 550 - 609 - 6
mary disposition in the same	40 101 1101 224 2334 3330 001 0
Elements Ident	fied and Messured
Concentration: Low	
Matrix: Water Soil	
1. Aluminum	ਸਿੰਧ waight (Circle One) 13. <u>Hagnesium</u> 14. <u>Hanganase</u>
•	15. Hercury 1.4 N ★ AV
4. Barium 443 A	
	17. Pocassium
6. Cadaiua (نصا) المجد A	
7. Calcium	
8. Chronium 148. A	
	21. Thailium
10. Copper	
11. Iron	23. Zinc
12. Lasd 97 5 N F	
Cyanida	
	Additional flags or footnotes explaining finition of such flags must be explicit
Comments:	
apari (produkter principle) principle (principle) and the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second c	Lab Manager Kathain What
	•

8 - 8

INCRGANIC	Date 1-16-37 ANALYSIS DATA SHEET
AB NAME ITAS - Knowille	
son no.	CASE NO.
AS SAMPLE ID. NO. AALGS	QC REPORT NO. EGG 73548 - 58
	· assistantes and one if any and
Elements Ide	entified and Measured
Concentration: Low	Medium
latrix: Water Soil	Sludge Other
	13. Magnesium 14. Manganese
. Aluminum	kg dry weight (Circle One) 13. <u>Magnesium</u>
• Antimony	
Arsenic 309 s F	15. <u>Hercury</u> 1.7 + N AV
Barius [92] A	
. Bervllium	1
. Cadzium u. A	
. Calcium	19. <u>Silver</u> [0.49] s F
• Chronium 734 A	
. Cobalt O. Copper	
1. Iron 2. Land 37 a N 5	Precent Solids (Z)
	Trecent Sorra. (4)

\$ - 3

		019
	*	
U.S. EPA CARRAGE	Form I	
U.S. EPA Contract Laboratory Programming Sample Management Office		EPA Sample No.
P.O. Box 813 - Alexandria, VA 223 703/557-2490 275: 8-557-2490	313	ENT-6
727/27-2490 215: 8-357-2490		
INORGANI	C AMALYSIS DATA SHEET	Date 1-16-77
LAS NAME ITAS-KORVINE		
son no.	CASE N	0.
LAB SAMPLE ID. NO. AN 1458	ሰብ ክርካ	245
	ye sen	DRT NO. EC.C. 43547-550-609
Elements	identified and Measure	الم. ه
Concentration: Low	Hedium	
Macrix. Water Soil	Sludge	Other
(UE/L) or mg	/kg dry waight (Circl	t One)
And the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o	13. Magnesium	•
2. Antigur.	14. Manganese	
3. Arsert: 196 F	15. Mercury	3.0 .NAV
4. 3sries 2.03 A	16. Nickel	4L. A
6. Cadelina (Ku) Fre A	17. Potassium	
7. Calcium	la. Selentue	37. SNF
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	19. Stlver	(LI) S F
6. Chrocium 322 A	W. Sodium	
10. Copper	21. Trallium	
II. Iron	22. Vanadium	
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Z3. Zinc	
Cyanide 42 3 N F	Precunt Solida (2	>
Footnotes: For reporting results to as defined on Cover fright tesults are snowneased, and contained on Cover P.	Coding 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	qualifiers are used of footnotes explaining san must be explicit
Consents:		•
of the special set all when demanders are such that the special special special special set.		
destruct places and production according to the second second second second second second second second second	article of a high distribution of the distribution of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confidence of the confiden	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon
	المنافقة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمرابعة والمراب	Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the Annual Control of the
	Lab Manager	Kent Berne I Workey
	i s → 8	
	- -	
	1042	

U.S. EPA Contract Laboratory Frogram Sample Management Office P.O. Box 818 - Alexandria, VA 22313 703/557-2490 FTS: 8-557-2490	DOTUL -
IMORGANIC ANAL	YSIS DATA SHEET
LAS NAME THE KARSHINE	CASE NO.
ON WCZ	Publication of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the sec
LAB SAMPLE ID. NO. ACCALO	QC REPORT NO. ECC 23541-550 - LOA-
Elements Identi	fied and Measured
Concentracion: Low	Hedium
Hatrix: Water Soil	Sludge Other
	cy weight (Circle One)
	13. Magnesium 14. Manganese
· · · · · · · · · · · · · · · · · · ·	
	15. Hercury 0.4 U * N AU 16. Nickel [30.] A
	17. Potassius
	18. Selenium Go SNF 19. Silver O.L. F
	20. Sodium 21. Thallium
	oping as we appear to any of the second spiritual second to the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s
	22. Vanadium
11. Iron 12. Lead [25] 9 N F	23. Zine
	CINCERC DUTING (*)
results or encouraged. Bet and contained on Cover Page, Convents: (1) Marchin analysis -	dditional flugs or foctores explaining inition of such flugs must be explicit however.
300 (hand # 1926) (ila)	
	Las Hanager Ketheren Wholey
B	~ 8

A CONTROL OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF T

U.S. EPA Contract Laboratory Program Sample Management Office P.O. Box 818 - Alexandria, VA 22313 703/357-2490 FTS: 8-557-2490	Date 1-16-37
INORGANIC AN	VALYSIS DATA SHEET
LAB NAME TTAS - KARWINE	CASP NO.
SOW NO.	
LAB SAMPLE ID. NO. A46468	QC REPORT NO. EL 13541-550-604-6
	ntified and Measured
Manufact Usean Coll	HediumOther
matrix: mater	21nage Other
	dry weight (Circle One)
1. Aluminum 2. Antimony	13. Magnesium
THE RESIDENCE AND ASSESSMENT OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF	14. <u>Manganese</u> 15. <u>Mercury 15. ★N AV</u>
4. Barium 449 A	16. Nickel zou A
5. Beryllium	17. Potassium
6. Cadmium IU A	18. Selenium Legu N F
7. Calcium	
8. Chronium 3Z A	20. Scd1u3
9. Cobalt	21. Thallium
10. Copper	22. Vanadius
11. Iron	23. Zine
	Precent Solids (%)
Cyanide	ANDERSON ERFORM AND AND AND AND AND AND AND AND AND AND
es defined on Cover Page, results are encouraged. E and contained on Cover Pag Comments: (1) Nickel: matrix int the instrument detection lim (2) Silver: restrix Asised from co.1	er launce trained the databin limit from it of a col pan to sare pun interferences — datacton limit poly to 67 opto Lab Manager Kathinina Whaley
(3) Selemium: Oaker	ign stimit higher again due to "

U.S. EPA Contract Laboratory Program Sample Management Office P.O. Box 818 - Alexandria, VA 22313 703/557-2490 FTS: 8-557-2490	EPA Semple No. WB1 - Date 1-16-57
INORGANIC AN	VALYSIS DATA SHEET
LAB NAME ITAS - Knowille	CASE NO.
SOW NO.	
LAB SAMPLE ID. NO. AALA74	QC REPORT NO. ECG 13549-550-669-
Elements Iden	ntified and Measured
Concentration: Low	Hediua
Matrix: Water Soil	Sludge Other
ug/L or mg/kg	dry weight (Circle One)
1. Aluminum	13. magnestum
2. Antimony	14. Manganese
3. Arsenic Iu F	15. Mercury O. Zt. T. J. AV
4. Barium Lou A	lé. Nickel IDU A
5. Reryllium	17. Potassium
6. Cadmium IU A	18. Selenius IUNF
7. Calcium	19. Silver Olic F
8. Chronium IDEL A	20. Sodium
9. Cobalt	21. Thailing
10. Copper	22. Vanedium
11. Iron	23. 24nc
	Fracent Solids (%)
as defined on Cover Page.	PA, standard result qualifiers are used Additional flags or feetness explaining efinition of such flags must be explicit to however.
	. Lab Hanager Ketheling Lillale,

B - 5

B NAME TILS - Kinglife	
	CASE NO.
w No.	
3 SAMPLE ID. NO. A45343	QC REPORT NO. EC.C. 23543-550
Elements Id	entified and Measured
ncentration: Low	Medium
trix: Water Soil	Sludge Other
	kg dry weight (Circle One)
	13. Magnasium
Antisonv .	14. Manganese
	15. Nercury 0.57.N# AV
Bertun (56.) A	Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contro
Beryllius	
Cadelus /L A	
Calcium	
Chronium 27 A	
Cobst:	
· Iron	
	Pracent Solids (1)
enide	We consider the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of

Matrix: Water Soil Sludge Other	1-16-87 23548-550-
INORGANIC ANALYSIS DATA SHEET LAB NAME TAS - KOROWE CASE NO. SOW NO. LAB SAMPLE ID. NO. Additional Departments Identified and Measured Concentration: Low Medium Matrix: Water Soil Sludge Other Low Hedium 13. Magnesium 2. Antimony 14. Manganese 3. Arsenic Nu F 15. Narcury O.Z.W. N.AV 4. Barium Zou A 16. Nickel Z4ZO A 5. Beryllium 17. Potassium	23548-550-
CASE NO. SOW NO. LAB SAMPLE ID. NO. Artiches Elements Identified and Measured Concentration: Low Hedium Matrix: Water Soil Sludge Other Ug/L or mg/kg dry weight (Circle One) 1. Aluminum 13. Hagnesium 2. Antimony 14. Manganese 3. Arsenic IV F 15. Hercury O.Z.W. *N.AV. 4. Barium Zow A 16. Nickel Z4ZO A 5. Beryllium 17. Potassium	* N AU A N F
SOW NO. LAB SAMPLE ID. NO. Ario475 QC REPORT NO. ECC 18548- Elements Identified and Measured Concentration: Low Hedium Matrix: Water Soil Sludge Other Ug/L or ug/kg dry weight (Circle One) 1. Aluminum 13. Hagnesium 2. Antimony 14. Hanganese 3. Arsenic IV F 15. Hercury O.Z.U. * N.AU 4. Barium Zou A 16. Nickel Z4ZO A 5. Beryllium 17. Potassium	* N AU A N F
Elements Identified and Massured Concentration: Low Hedium Matrix: Water Soil Sludge Other Ug/L or ug/kg dry weight (Circle One) 1. Aluminum 13. Magnesium 2. Antimony 14. Manganese 3. Arsenic 14. Manganese 4. Barium Zou A 16. Nickel Z4ZO A 5. Beryllium 17. Potassium	* 2 AU A N F
Elements Identified and Measured Concentration: Low Hedium Matrix: Water Soil Sludge Other Ug/L or ug/kg dry weight (Circle One) 1. Aluminum 13. Hagnesium 2. Antimony 14. Manganese 3. Arsenic IU F 15. Hercury O.Zu *NAU 4. Barium Zou A 16. Nickel Z4ZO A 5. Beryllium 17. Potassium	* 2 AU A N F
Concentration: Low	* 2 AU A 7 E
Matrix: Water Soil Sludge Other Ug/L or ug/kg dry weight (Circle One) 1. Aluminum 13. Hagnesium 2. Antimony 14. Hanganese 3. Arsenic 14. Hanganese 4. Barium 204 A 16. Nickel 2420 A 5. Beryllium 17. Potassium	* 2 AU A 7 E
Ug/L Or ug/kg dry weight (Circle One) Aluminum	* 2 AU A 7 E
1. Aluminum 13. Hagnesium 2. Anzimony 14. Manganese 3. Arsenic 10. F 15. Nercury 0.2u *N AU 4. Barium 20u A 16. Nickel 2420 A 5. Beryllium 17. Potassium	* N AU
3. Arsenic 10. F 13. Recury 0.2u *NAV 4. Barium Zou A 16. Nickel ZAZO A 5. Beryllium 17. Potassium	* N AU A N F
4. Barium Zou A 16. Nickel Z4ZO A 3. Beryllium 17. Fotassium	A
5. Beryllium 17. Potassium	N F
	, , , , , , , , , , , , , , , , , , ,
	, , , , , , , , , , , , , , , , , , ,
7. Calcium 19. Silver O.iu, F	
8. Chronium 38. A 20. Sodium	
9. Cobalt 21. Thallium	-
10. Copper 22. Vanadium	
II. Iron 23. Zinc	Trian Milliograph of The Prints Wash, All Trians, Graphy, Algo-
12. Lead 35 2 + NF Precent Solids (3)	
Cyanide	

9 - 8

SOW NO. LAB SAMPLE ID. NO. AA LATIO	Date 1-16-37 LYSIS DATA SHEET CASE NO. QC REFORT NO. EXC. LANS - 570-609-
	ified and Macsured
Concentration: Low	
Hatrix: Water Soil	SludgeOther
	dry weight (Circle One)
1. Aluminum	13. Magnestum
2. Ansimony	14. Manganese
3. Arzenic 4u E	15. Mercury O. Zul # Al Al
4. Bartua ion A	16. Nickel 2760 A
5. Beryllium 6. Cadmium 10_ A	17. Potassius 18. Selenius Iti, N E
7. Calcius	19. Silver O.I.U. F
8. Chrosium 35 A	20. Sodium
9. Cobalt	21. Thallium
10. Copper	32. Vanadium
ll. Iron	23. Zinc
12. Land 17 5 N F	
Cyanide	
Footnotes: For reporting results to EF as defined on Cover Page. results are encouraged. Pe and contained on Cover Page Comments:	Additional flags or footnotes explaining officiation of such flags must be explicit to however. detection limit high the the matter in the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags the flags
	. Las Hunage: Matterina libratury

Q. C. Report No. EGG 43548 -550 - 609-610 DUPLICATES

LIE NAME	25-Knowille		CASE NO.	The Tables of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the
DATE	1-11-97		EPA Sample No. Lab Sample ID No.	<u></u>
UAIE		•	Units My/V	135925/
	Matri	1x		
Compound	Control Limit 1	. Sample(S)	Duplicate(D)	RFD ²
Metals: 1. Aluminum				
2. Ancisony	·			
3. Arsenic		3.2.≠	6:75	<u> </u>
4. Barium		[31.]	[23.]	70
5. Bervllium				
6. Cadeius		0.24	0.24	NC
7. Calcium				
8. Chromium		₹.1	٧.3	
9. Cobalt				
10. Cooper				
ll. Iron				
12. Lezd		15	7.4	30 ×
13. Hagnesium				
14. Hanganese				
15. Mercury		0.04	0.03	z9 ¥
16. Nickel		عبد	zu	NC
17. Potassium				
la. Selenium		0.21	0.24	NC_
ly. Silver		0.024	0.024	NC
20. Sodiva				
21. Yasilium				
22. Vanadium				
23. Zinc				
Other:				
Cyanida				

^{*} Out of Control

MC - Non calculable RFD due to value(s) less than CRDL

Q. C. Report No. EGG 28547 - 550 - 409-410 DUPLICATES

LAB NAME	75- Knowille		CASE NO. EPA Sample No. Lab Sample ID No.	ENT-5
***************************************		x <u>liquid</u>	Unics	<u></u>
Compound	Control Limit	Sampla(S)	Duplicate(D)	RPD ²
Hetals: 1. Aluminum				
2. Antimony				
3. Arsenic		309. s	277.	11.
4. Barium		[92.]	[88]	NC
5. Beryllium				
6. Cadmium	(Km)+++	U.S.	114	NC
7. Calcium				
6. Chromium		254.	223.	۶.
. Cobalt				
O. Copper				
1. Iron				
12. Leed		37, s	31.5	18
3. Magnesium				
4. Manganese				
S. Mercury		1.7	2.5	38 ☆
6. Nickel		36.	34,	0
7. Potassium				
8. Selenium		46. 5	\$1. s	10
ly. Silver		(c.43) s	[o. \s] s	NC
20. Sodium				
21. Thallium				
22. Vanadium	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		·	
23. Zinc		na, rapagan ayahan ayan ay karaba sa ah baraban ah ah ar ah ar ah ar ah ar ah ar ah ar ah ar ah ar ah ar ah ar		
Other:		CONTRACTOR OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE		
Cyanide				
	A THE COLUMN TWO IS NOT THE OWNER OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR	And the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the second name of the secon		Andrew Control of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of the Party of

^{*} Out of Control

¹ To be added at a later data.

 $^{2 \}text{ RPD} = [[S - D]/((S + D)/2)] \times 100$

NC - Non calculable RPD due to value(x) less than CRDL

Port V Q. C. Report No. EGG 23588 - 550-609-610

			SPIKE SAMPLE	RECOVERY			
LAB	NAME	TAS-Komille		CASE NO			
DAT	E	-16-97		Lab Sas	aple No. 6	= NT - 5	2 46
			Matrix . U	71-4	1-3/1-		
			MACTIX . U	<u> </u>			
	_	Control Limit			Spiked		
	pound	72	Result (SSR)	Result (SR)	Added (SA)	ZR1	
	als: Aluminum	75-125				1 1	
	Antimony						
	Argenic	•	393 s	309.5	20	NR	
	Barium	-	2230	[92]	2000	1107	
	Beryllium	-					
	Cadpium	-	5 4	14	50.	109	
	Calcium	-					
	Chromium	-	422.	234.	200.	94	
	Cobalt	•					
	Copper	•					
	Iron	•					
	Lead	-	رجد کم حلا ج	37. s	20.	135 14	
	Magnesium	-					
	Manganese	-				1	
	Mercury	4	7.4	1.7	4.0	143	7
	Nickel	-	427.	₽.	450.	98.	
	Potassium	•					
	Selenium	•	72 5	4(a. 5	10	260	2
	Silvar	-	9.3	[0.48]	10.	93	
	Sodius						
	Thallium	-					
22.	Vanadium	. •					
23.	Zine	' -					
Oche	:::						
	·····						
Cyar	1110	•					
1 22	R = [(SSA -	- 3%)/SA] x 100					
- N-	- out of c	entrol					
на.	- Not requi	irad					
Com		Comesado action	n of arsenia	· in oxi-	مر و الم	de m	

Appendix T, Exhibit 7

VOST Analysis Data Summary

YOST Analysis Data Summary

Samples 14799-14805 and 14800-14803 VOST tube runs were lost due to instrument failure during analysis.

Instrument Instability required recalibration and delayed the analysis of VOST-1-C, 2-C and 3-C until 6 days past the 14 day period from receipt. However, the results are similar to those for runs VOST 5-C and 6-C which were run within this holding time.

_	,
3	۱
3	
-	
3	
:	
٠	
-	
2	
ĩ	

	1 vv51-1	_			V-121-2	~			V051 - 3				\$-1304			¶ 15ga			-	Flants.				
	<u>.</u>	Pair I Pair 7 Pair 3	7 Pare		r. Par	1 74.7	Par 3	Conf.	-	Pate 2 P.		Conf. P	11 111	11.2.84	Cond. Pair I Pair 2 Pair 3 Cond. Pair 1 Pair 2 Pair 3 Cond. Pair 1 Pair 3 Cond. Pair 1 Fair 2 Pair 3 Cond. Field fielda	72.	fur 2	Pare 3	Conf.	Freld &	F 64			
1 1954 1941 1950 1 1950 1940 1940 1940 1940 1940 1940 1940 194	1 1745	1754 1794 17943 1754 17942 17944	7 174	1-1504.1	501	14793 14794 14795 14794 14797 14798 14734 14797 14798	11775	J- 2-130A	14799	14719 .1480n 14801 11805 14803 14804	148c1 V3	S1-1-C	14612 [4815 14814 [4815 [4816 [4817	4816	1992 1794 1794 VOST-I-C 1473 1429 1429 1429 1429 1429 1480 14801 VOST-I-C 1441 1481 4481 1481 1781 1781 1781 1781	173.65	17545 7914 17647 17548 17948 17956	17947 1	DST-4C	C Tecar VINE Charcoal 12232	7111	WTBL/F 12:52	9081 1229 !	
																								.
Laid oseikase Acidalese Chiwide	=	5	1	2	1	:	:		፧	:														
tertana	1	3 5			F	74. 75.	=	14. 13000.	:	:	- - 2	11004.	110. 2		<u>ن</u>	ŧ		3		~				
Carbon Greaterde	-		:		3	Ž	909	£65000.	=			1400000, 15000.	2000		9	6,00.		.050	_	100	5	\$		
falterators		: :	; ;			ć:	7		=	=	ż				16.	ģ		×						
J. B. d. a. 8. 8. 8.	• <u>•</u>	: :	<u>:</u> :	35		: ;	₹5	7308.	=	፥		7000J.	13.		71.	7.		2					744	
1. 1. friehlie actions	•		<u> </u>		=	ġ	.00		:	100.	0				ė	.ie.		1,16			<u>:</u> =	: -		
Carbon left action	: 	: -	<u>:</u> -						Ë	:						22.	~:					÷		
Er mait this or anellane		•	•		2	5	:		= :	=						œ.	4							
Brat Scothior casthana					•		<u>.</u>			:			12.					,						
Secretar	2	ź	18		-	338	; •																	
Tetrachloroch, as	-	•	•		:	;	i		=		790.				÷.	;		÷		4				
		ż	:		;				Ξ	=		=			.	6		84		: :				
	•	-	Ë.		ž		3 23.		Ξ	Ē	300.	_			•					<u>:</u> .				•
Elbylbenras-	±.	- :	Ë		÷		=		:		=				;	į ;		, te		ند				
Styrme	170,	ij	116.		ž,		ž		=		: :	•				i ;		≈ ;						
latsi tylenes	÷ 	Ş	Ë		≎	8	#		=		: =					÷ ;	:	-						

sour . Sample lost due to cloqued transfer ling in decorber. Bata not reported.

Organics Analysis Data Sheet (Page 1)

Laboratory Name: TAS - KNOXVILL C Lab Sample ID No: AASR 59	Case tio:
Sample Matrix:	Contract No: 12-9-91
Volatila Co Concentration: (Ow) Cate Extracted/Prepared: Date Analyzed:/ Conc/Dil Factor: 1/2 Percuit Moisture: (Not De	Medium (Circle One) 12-29-86 2-2.9-86

CAS Number	,	Winguasi (
74-87-3	Chioromathane	U 34
74-83-9	Srememernana	
75-01-4	Vinvi Chlorida	
75-00-3	Chlorestrane	
75-09-2	Meshylana Chilorida	(6.0 BJ
87-64-1	Acrone	1690. 3
75-15-0	Carbon Diaulfida	0 18
75-35-4	11, 1-Distribrostness	
75-34-3	1.1-Oichiorcethana	
156-60-5	Trans-1, 2-Dichlorosthene	1 4
67-68-3	Chioratorn	8.8.18
107-05-2	1. 2-Dichlerovtriane	019
78-93-3	2-Sutanona	U 36
71-55-8	1, 1, 1-Trichlerouthane	1018
58-23-5	Carbon Tetrachionida	U IX
108-05-4	Vietral Acetaire	V 35
75-27-4	Sromodichieremmakas	VIX

CAS Number	1		Lasengoideg Linzia Omai
78-87-5	1. 2-Dichloropropane	TT	TIE
10051-02-8	Trans-1, 3-Dichloropropine	1	
79-01-6	Trichlaroathena	7	
124-48-1	Dipromochloromethane	_	-
79-00-5	1. 1. 2-Trichlorosinana		
71-43-2	Sausana	1	
10041-01-5	cis-1, 3-0ichloropropine	1	-
110-75-8	2-Chlorosthylvinylether	U	36
73-25-2	Bromotorm	U	13
103-10-1	4-Methyl-2-Printanone	U	36
391-78-0	2 Heranche	U	3 -
127-18-4	Terrachiovoethene	U	18
79-34-5	1, 1, 2, 2-Tetrzentornathana	Ī	
103-33-3	Talumm		
109-30-7	Chlorobanzena		
100-41-4	Ethybeniena		
100-42-5	Savere		
	Total Xylanisa		,

Anna Barra arra O cardona

Per reprinting reducts to 67A, the interioring results ejectifient are used, independent fings or fermious suprisoning remains are smarretinal. However, this definition of exact flag ower to dispose.

- Value 7 (ne result is a water greater) short or expect to the discover to ret.
- Userhoused compound may brish-may be that had proceed. Amount that insurement in postulate had been by the planted make the gl. 1000 haded an interesting control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co
- I indications are dependented values. This Role is uponly eather values antimating a consciousness to investageing is secondad directioned as where a 1.3 replication is deputing or enough the mode statistical indication firs presented of a contrastend moment for about contrast over the research of a section in the investigation for about the research over the indication of a section of the investigation of a long of and a concentration of 3 µg/1 in coldulating, means to 3.3.
- C. This line termina to distinct in parameters where the comment with the basis decisioned by GC WS. Single countries of executions 210 mg/sd in the hind custom security where the comment of GC WS.
- 3 The Top is unite extent the trialities of feeded in the files to med at a service. It enterests methods in militaria destruction and works the critical trial trial trial trial count of the critical trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial trial
- প্রক্রিক স্থানের প্রত্যাহর্তক গোনপুর সৈনের সিক্ষান্ত সালেন সকল তক্ত করানেকরে সহ এনান্তাকার্য ব্যৱস্থানিক। ক সান্তাপুরত্ত স্থানিক স্থানিক সামানের হার নির্ভাগ বিষয়ের ব্যৱস্থানিক স্থানিক স্থানিক স্থানিক স্থানিক স্থানিক স্থানান্ত্রীয়ার বিষয়ের স্থানিক স্থানিক স্থানিক স্থানিক স্থানিক স্থানিক স্থানিক স্থানিক স্থানিক স্থানিক স্থানিক

Form I

11/25

Sample	Number
VOST-	7-6

042

Organics Analysis Data Sheet (Page 1)

Laboratory	Name:	XVILLE	Case No:	EGG 2354°	?
	10 No: A 45860		OC Banner No	o:	
			*		
	MATER				
Data Releas	se Authorized By: W.T.	wilson	Date Sample	Received: 12-9-8	<u>{</u> ,
		Volatile Co	mpounds		
	Concent	ration: (Low)	Madium (Circ		
	Date Ext	racted/Prepared:	12-29-	86	nc4 and
		slyzed:		-8L 38.	CONDENSATE
				of.	CONDENSATO
	Conc/Di	i Factor: 1/2	<u>оо</u> рн		
	Percent	Moisture: (Not De	canted)		
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
CAS Number	,	Circle One)	CA3 Number	•	(Circle One)
74-87-3	Chloromathane	U 76	78-87-5	1, 2-Dichioroprogane	U 38
74-33-9	Bromomethane		10051-02-8	Trans-1, 3-Dichloroproone	Constitute Constitute State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State St
75-01-4	Vinyl Chlorida		79-01-8	Trichlorostnons	A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR
75-00-3	Chloroemana		124-48-1	Dibrorrechloromethane	
75-09-2	Mathylana Chiorida	13 87	79-00-5	1, 1, 2-Trichleroathana	The Paris of Land of State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State Sta
87-84-1	Acmone	1600 B	71-42-2	Benzene	
75-15-0	Carbon Diautfide	0 38	10031-01-3	cis-1. 3-Dichleroprocess	
75-35-4	1, 1-Dichlorosthene		110-75-8	2-Chlorosthylmylether	076
75-34-3	1, 1-0ichlorownana		75-25-2	Bromotorm	U38
156-60-5	Trans-1, 2-Dichloronthens		108-10-1	4-Mathyl-2-Pentanona	U 76
67-86-3	Chlorotorm	27 89	591-78-8	Z-Hexanone	U 7 (
107-03-2	1, 2-Dichloroethane	U 38	127-18-4	Terrachioroethene	U 38
78-93-3	{ 2-8utanone	U 76	79-34-5	1, 1, 2, 2-Tetrach/oresthans	1
71-55-6	1, 1, 1-Trichlerogthams	U 38	108-83-3	Taluana	
56-23-5	Carbon Terrachionea	V 38	103-20-7	Chlerobiniting	
108-05-4	Vinyl Acetate	U 75	100-41-4	Ethylogoziana	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
75-27-4	Bromodichloromethene	039	100-42-5	Styrena	To the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se
			The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa	Total Xy'ones	The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa

Deen Accorning Cuchillors

Per respecting results to EPA, the holistocomy menuts contribute one word.

Authorized Respect Neements continued receipts are enter-analysis. Hereavor, the defendance of each fine must be authorized.

Veloci. If the result of a value greater than or engine to the devicement brind, report the value.

- U Indicated completed with enalyzed for but not despited. Respire this minimum detection time for the sensitio with the U to q. 1000 booked on necessary content streets disperse accord. (The is not meanistably the intervenient despited hand.) The featings absorbed rend; Uncomprised with another hand has but not despited. The minibal is the minibal in the minibal is the minibal in the minibal is the minibal another as the minibal in the minibal is the minibal another as the minibal disperse and the feating according.
- J Investment an elemented vidua. This fleg is usual eighter vidual eighter vidual eighter vidual eightering a concinitration for testitatively elementary demonstrational indicated the presence of a compound that emons the dominative criteria but the needs in this than the epoched demonstration have but presser their zero (a.g., 100) of heat of detection in 10 yg/1 and 6 concentration of 3 yg/1 is detailed by the 3.3.
- C This flag applical to precipital lear precipital waterwards where the observations has been electromed by GC+865. Surgical electrometers percentages ≥10 mg/val on this based everted whereit deal combinations by GC+865.
- Price fleet is upond without the neutrino of found on the filter's on moth on a surrection. It inches people provides perform people perform the people performance of the people people people people.

শ্রেমকর প্রক্রারর বিজ্ঞান করার বি গালনাহার ক্ষেম্বর করা বাংলাকর প্রথম বি লগতের করা প্রতিবিধানে
ক্ষিত্র ক্ষেত্রকার বি করারে, সালাধ ক্ষাধ্যর করা বিভাগে বিশ্বাসার ক্ষার ক্ষারের ক্ষারের প্রকারের প্রকারের ক্ষারের
Sample	Number
VOST	- 3- C

061

Organics Analysis Data Sheet (Page 1)

Laboratory Name: <u> TAS - K ADXUILLE</u> Lab Sample ID No: <u>A A 5 8 6 </u> Sample Matrix: <u>W A T E R</u> Data Release Authorized By: <u>W T - Walsan</u>			Case No: E G G Z 3 5 4 9 QC Report No: Contract No: Data Sample Received: 1 2 - 9 - 8 4		
		Volatile Co	mpounds		
	Concent	ration: (Low)	Medium (Cir	cle One)	
	Date E-	racinal/Bransicads	12-29	-86	
Date Extracted/Prepared:					
Data Analyzed:					
	Conc/Di	I Factor: 1/2	00_pH		بعسياليس
	gereet	Maisture: (Not De	anned)	O	-50
	reitent	MO12101 8. (1101 CA	rcanteu/		
CAS Number	,	(Circle One)	CAS Number	((Circle One)
74-87-3	Chlorometnane	U 74	78-87-5	1, 2-Dichloropropane	U 37
74-83-9	Bromomethane		10061-02-6	Trans-1, 3-Dichloropropene	
75-01-4	Vinvi Chloride		79-01-8	Trichloroethene	
75-00-3	Chloroethane	¥	124-48-1	Dibromochloromethane	
75-09-2	Methylene Chloride	14 83	79-00-5	1, 1, 2-Trichloroethane	
67-54-1	Acetone	1400 B	71-43-2	Senzane	
75-15-0	Carbon Disuifide	V 37	10081-01-5	cis-1 3-Dichleropropene	+
75-35-4	1, 1-Dichlorosthana		110-75-8	2-Chloroethylvinylether	074
75-34-3	1, 1-Dichlorosthane		75-25-2	Bromoform	U 37
156-60-5	Trans-1, 2-Dichloroethene	<u> </u>	108-10-1	4-Methyl-2-Pentanone	U 74
67-66-3	Chloroform	20 85	591-78-6	2-Hexanone	U 7Y
107-06-2	1, 2-0ichtoroethane	0 37	127-18-4	Tetrachioroethene	U 37
79-93-3	2-Sutanone	V 74	79-34-5	1, 1, 2, 2-Tetra intorpethane	
71-55-6	1, 1, 1-Trichloroethane	U 37	103-88-3	Toluene	
56-23-5	Carbon Tatrachicride	0 37	- 1Ca-90-7	Chlorobenzana	
108-05-4	Vinyl Acetate	V 7+	100-41-4	Ethylbenzene	
75-27-4	Bromodichtoromethera	0 3	100-42-5	Styrene	
1 3 4 7			· · · · · · · · · · · · · · · · · · ·		

report the value

- m detection limit for the comucie with the U is \$1, 1001 board. an inequality concern aroun discern action. (This is not independently the instrument detection funct.). The features should read Umund was analyzed for but not detected. The number is the
- indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified comeres à 1 1 remonne le assertant le lameste presentate et la error de la lameste de la error indicated the presence of a compound that meets the identification criteric but the remote is less than the specified direction hims but greater than zero to ϕ , 1000 . If times at consequent is $10~\mu\phi/1$ and a concentration of 3 µg/1 is calculated, report as 3J
- C in continued by GC-MS. Surger companions protectors 2:10 of in the funal entract sits. It has conferenced by GC-MS.

the require. If used, they must be fully described and suich description emounted to the cost burnishers request

Form !

11/83

Sample Number VOST-5-C 0015

Organics Analysis Data Sheet

(Page 1) Laboratory Name: 174 5 - KNOXVILLE

Case No: ____ E66 23617

QC Report No:

. Contract No: ____

Date Sample Received: 12-17-86

Volatile Compounds

Concentration: (Low) Medium (Circle One)

Date Extracted/Prepared: 12-29-86

Date Analyzed: 12 - 29 - 8C

Conc/Dil Factor: 1/28 pH Percent Moisture: (Not Decanted)

74-87-3 Chloromethane 1 2 74-83-9 Bromomethane 1 2 75-01-4 Vinvi Chloride 1 7 75-00-3 Chloroethane 2 5 67-64-1 Acetone 1 7 75-15-0 Caroon Oisuifide 6 75-35-4 1, 1-Oichloroethane 1 7 75-34-3 1, 1-Oichloroethane 1 156-80-5 Trans-1, 2-Oichloroethane 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	le One
74-83-9 Bromomethane 75-01-4 Vinvi Chloride 75-00-3 Chloroethane 75-09-2 Metrylane Chloride 2-5 67-64-1 Acetone 1-7 75-15-0 Carbon Oisulfide 6-7 75-35-4 1, 1-0ichloroethane 1-7 75-34-3 1, 1-0ichloroethane 1-7 156-80-5 Trans-1, 2-Oichloroethane 1-7	
75-01-4 Vinvi Chloride 75-00-3 Chlorosthane 75-09-2 Metrviene Chloride 75-09-2 Metrviene Chloride 75-15-0 Caroon Oisuifide 75-35-4 1, 1-Oichlorosthane 156-90-5 Trans-1, 2-Oichlorosthane	
75-09-2 Metrylane Chloride 2.5 67-64-1 Acetone 1.7 75-15-0 Carbon Oisulfide 6 75-35-4 1.1-Dichlorcethene 1 75-34-3 1.1-Dichlorcethane 1 156-60-5 Trans-1. 2-Dichlorcethane	
67-64-1 Acetong 17 75-15-0 Carbon Oisulfide 6 75-35-4 1.1-Oichlorcethene 75-34-3 1.1-Oichlorcethane 156-60-5 Trans-1.2-Oichlorcethane	
67-64-1 Actions 17. 75-15-0 Carbon Disulfide (2. 75-35-4 1. 1-Dichlorcethens 1. 75-34-3 1. 1-Dichlorcethans 1. 156-80-5 Trans-1. 2-Dichlorostnans 1.	A 3
75-35-4 1. i-Oichlorcethene 75-34-3 1. 1-Oichlorcethane 156-80-5 Trans-1. 2-Oichlorcethane	
75-35-4 1, 1-Oichlorcethene	u
75-34-3 1. 1-Dichlorostnane 156-80-5 Trans-1. 2-Dichlorostnane	<u> </u>
156-60-5 Trans-1, 2-Dichlorostnane	******
	-
67-65-3 Chloroform 3	27
107-05-2 1. 2-Dichleroethane	5
73.93.3 2.Butanone 12	u
71-55-6 1. 1. 1-Trichloroethane 6 U	
56-23-5 Carbon Tetrachlorida la I	} -
108-05-4 Vigyl Acester	u
75-27-4 Bromodichloromethana (a. l.	~

Lab Sample ID No: AA 6496

Sample Matrix: WATER

Data Release Authorized By: W-7- Luclan

CAS Number			rcia One
78-87-5	1, 2-0ichloropropane	7 7 6	u
10061-02-6	Trains-1, 3-Dichloropropens		· · · · · · · · · · · · · · · · · · ·
79-01-6	Trichlaroethene	+	
124-48-1	Dibromochloromethane		
79-60-5	1. 1. 2-Trichioroethane		-
71.43.2	Benzene	+	-
10061-01-5	cis-1, 3-Dichlaropropane	+	
110-75-8	2-Chloroethylvinylether	12	ч
75-25-2	Bromoform	 	`````
108-10-1	4-Methyl-2-Pentanona	13	<u> </u>
591-78-8	2-Hessnone		<u> </u>
127-18-4	Tetrachioroethene	1	
79-34-5	1, 1, 2, 2-Tetrachloroethane		
103-88-3	Toluene		-
103-90-7	Chloropenzena		-
100-41-4	Ethylbentone		
100-42-5	Slyrene		
	Total Xvienes		

Data Resorring Qualifiers

ng roauts in EPA, this following require quotifiers are word. ned floats or leatments existencing results are empouropoid. However, out of each flag must be expense.

- If the result is a value grazes than or neural in the direction lesse, report the value
- indicates compound was analyzed for but not detacted. Report the minimum derection hand for the tample with the $U(\alpha,\beta)$. 1001 besed on necessary concerns strong observation action. (This is not necessarily the instrument despition limit.) The feathers should read U-Compound was analyzed for but not detected. The number is the minimum attaineble detection limit for the sample
- Indicates an estimated value. This flag is used either when estimating a concentration for temperature identified compounts where a TT resconse is assumed or when the mass spectral data indicated the presence of a commound that moved the identification Criteria but the result is lass than the apacities detection times but gradier than zero. (e.g., 1QJ). It limit of discretion is $3.0 \, \, \text{sign}/1$ and a concentration of Jug/1 is calculators, report as .LJ
- at to beaticitie but suffered models for the been confirmed by GC MS . Single component personnes 210 Fig. at in the final extract should be continued by GC AIS
- This flag is used when the analyse is lound in the blank as well as a sample it indicates preside proficies blank contamination and weeking the data made to itse subjective ections
- Other specific flags and formaties movine regulated to properly define the results. If used, they must be fully electrone and such describing anached to the data summary resort

Sample Number

Organics Analysis Data Sheet (Page 1)

0031

•	- •	9000
Lab Sample ID No: AA 6 497 Sample Matrix: WATER Data Release Authorized By: W-T- Wilson	Case No: EGG 2341 Z	
Volatile Co Concentration: Low Date Extracted/Prepared: Date Analyzed:	Medium (Circle One) 12-29-86	Î
Conc/Dil Factor: 1/1 5 Percent Moisture: (Not De	mater N	l

CAS Number		(Circle One
74-87-3	Chloromethane	5 4
74-83-9	Bromomethane	
75-01-4	Vinvi Chlorida	
75-∞-3	Chlorosthane	T T
75-09-2	Methviene Chloride	15.8
57-54-1	Acetone	38.8
75-15-0	Carbon Disulfide	1 3 u
75-35-4	1, 1-Dichloroethene	
75-34-3	1, 1-0-chlarosthane	
156-50-5	Trans-1, 2-Dichloroethene	+
67-66-3	Chloroform	1.5 83
107-06-2	1, 2-Dichlorosthane	1 3 u
78-93-3	2-Butanone	5 U
71-55-6	1, 1, 1-Trichtoroethane	3 u
56-23-5	Carbon Terrachtoride	13 U
108-05-4	Vinyl Acetete	5 U
75-27-4	Bromodichtoroniethane	13 U

CAS Number			eregritg (enO eloni
78-87-5	1, 2-Dichlorporopane	13	i,
10061-02-6	Trans-1, 3-Dichtoropropene		1
73-01-6	Trichlordethene		
124-48-1	Dibromochloromethane		
79-00-5	1, 1, 2-Trichloroethane		1
71-43-2	Benzene		
10051-01-5	cis-1 3-Oichlaroaragene		+
110-75-8	2-Chloroethylvinylether	5	и
75-25-2	Bromotorm	3	ų
108-10-1	4-Methyl-2-Penranone	3	и
591-78-6	2-Hexanone	5	ч
127-18-4	Tetrachioruethene	3	u
79-34-5	1, 1, 2, 2-Tetrachioroethane		
108-88-3	Toluene		
108-90-7	Chiorobenzene		
100-41-4	Ethyibenzene		
100-42-5	Styrene		
	Total Xvienes		7

Deta Reporting Qualifiers

For reparting requits to EFA, the following results quelifiers are used.

Addressed Regs of footnotes exolutions results are uncouraged. However, the

- Value: If the result is a value greater then or equal to the detection limit report the value:
- U Indicates compound was analyzed for aut not detected. Record the minimum detection small for the sample wich the U (e.g., 10U) based on hacessary concentration / physion action. (This is not necessarily the instrument detection limit.) The focusion should read: U-Compound was analyzed for but not detected. The number is the minimum attainable desiction limit for the sample.
- Indicates an estimated value. This flag is used either when estimating a concentration for tentarively identified compounds where a 1-1 response is assumed or whon the mess specific data indicated the presence of a compound that mess she estimated criteria but the result is less than the specified dataction time but greater than zero (e.g., 102), if time of detection is 10 µg/1 and a concentration of 3 µg/1 is raiculated terport as 3J.
- C. This flag applies to proceed paracrosses where the identification has been confirmed by GC-MS. Single component pessicials ≥10 mg/ul in the final exect should be confirmed by GC-MS.
- This flag is used when the analyse is found in this blank as sidely as a sample—it indicates passible; probable blank consamination and warns the ceta user is lare appropriate screen.

Other specials flags and footnoises may be required to properly define the results. If used, they must be fully directions and such directional attached to the data summary report.

Form 1

1059

•				_
Sampl	e N	um	ber	
VB.	-1	– f	=	٠

Organics Analysis Data Sheet (Page 1)

		(Pag	je 1)			
	Name: ITAS - KNOXL		Case No: EGG 23549			
Lab Sample ID No: AA 5844			QC Report No:			
Sample Matrix: SOLVENT - BENZENE			Contract No:			
Data Release Authorized By: W-T- William			Data Sample	Received: 12-7-	816	
		Volatile Co	mpounds			
	- Concent	ration: Low	Medium (Cir.	cie One)) NO vo	LATILE	
		racted/Prepared:	NA ANALYSIS			
	Date Ani	alyzed:	NA		E NUMBER	
		Factor:				
CAS Numbar	Percent .	Moisture: (Not De ug/Lorug/Kg (Circle One)	CAS Number		ug/forug/Kg (Circle One)	
74-87-3	Chicromathana	INA	73-37-5	1, 2-Gichloropropane	I NA	
74-83-9	Bromomethane		10001-02-8	Trans-1, 3-Dientoreorgene	AND DESCRIPTION OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF	
75.01.4	Vinvi Chloride		79-01-8	Trichlorostnene	1-1-	
75-00-3	Chlorosthana	 	124-48-1	Dibremechloremathana		
75-09-2	Metriviane Chlorida		79-00-5	1, 1, 2-Trichloroginang		
67-81	Acetora		71-43-2	Bancena	7-1	
75-15-0	Carpon Disulfida		10081-01-5	cia-1, 3-0-chioropropana		
75-35-4	1.1-Orchlorostnens		110-73-8	2-Chlorostnylvinylathar		
75-34-3	1, 1-0 colorostosos		73-25-2	Bromoform		
156-50-5	Trans-1, 2-0:chloroethene		108-10-1	4-Mernyl-2-Pentanona		
67-66-3	Chloreform		591-78-8	2-Heranone		
107-06-2	1, 2-Dientersetnane		127-18-4	Tetrachioroethene		
73-93-3	2-Butanona		79-34-5	1, 1, 2, 2-Tetrachtoroethane		
71.55.8	1, 1, 1-Trichlorosthans		101-33-3	Tolunna		
56-23-5	Carbon Tetrachlorida		103-30-7	Chlorobenzena		
108-05-4	Vinvi Acordina		100-41-4	Ethylbantone		
75-27-4	Bromodich!ocomemens	V	100-42-5	Styrana		
				Tatal Xvienes	7	
U lenter pro- grade are the pro- grade are the pro- grade are the pro- grade are the pro- grade are the pro- grade are the pro- grade are the pro- grade are the pro- grade are the pro- grade are the pro- grade are the pro-	Additional filega	I depositional. Associate the impact of a gr., 1000 transact. These is never transact in the impact of transact in the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of the impact of	og nessulate excelvirers are receivered. C This flag as beart control of the flag as beart control of the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as the flag as		ione procedurated 210 y GC / bit3. No fiction by wind as a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a countries and a co	

Form 1

174 S- KNOXVILLE Laboratory Name: _ 23549 EGG Case No: __

Sample Number VB-1-F

Organics Analysis Data Sheet (Page 2)

115844 AA5844D

Semivolatile Compounds

Concentration: Medium (Circle One) 1 - 9-87. Date Extracted (Prepared) __ Date Analyzed: ___ Conc/Dil Factor: 10:1 Percent Moisture (Decanted)

GPC Cleanup TYes 2No

Continuous Liquid - Liquid Extraction EYes 4

		_
CAS		TOUR PERSON
Number	,	(Circle One
108-95-2	Phenoi	50.
111-44-4	bist-2-Chloroethyj)Ether	10. U
95-57-8	2-Chiorophenol	
541-73-1	1 3-Dichloropenzene	
105-45-7	1 4-Dichlorobenzene	
100-51-5	Senzyl Alcohol	
95-50-1	1 2-Dichlorobenzene	
95-48-7	2-Methylonenol	
39638-32-9	bist2-chtoraisopropytiEther	
106-44-5	4-Mernyigheno	
621-64-7	N-Nitroso-Di-n-Propviamine	
67-72-1	Hexachiordethane	
98 95 3	Nitropenzene	İ
78-59-11	Isophorone	
08-75-5	2-Nitrophenol	
105-57-9	2, 4-Dimethylphenol	V
65-85-0	Benzoic Acid	·72 : *
111-91-1	bist-2-ChloroethoxylMethane	· - 10.4
120-83-2	2. 4-Dichlorophenal	
120-82-1	1, 2, 4-Trichlorobenzar e	F J
91-20-3	Naphthalene	31.
106-47-8	4-Chiorosniline	10.0
87-68 3	Haxachiorobutadiene	_
59-50-7	4-Chloro-3-Methylphenol	
91-57-6	2-Methylnaonthalene	
77-47-4	Hexachlorocyclogentadiene	
88-05-2	2 4 5-Trichlorophanol	
95 95-4	2 4 5-Trichtgraphenai	Sc. u
91 58-7	2-Chloronaonthalene	10. U
88-74-4	2-Nitrasnitine	504
131-11-3	Dimethyl Phinalate	7. J
208-95 8	Acencontrivière	10.4
93-09-2	3-Nitroanitine	50.4

CAS Number		Circia Onel
83-32-9	Acenaphthene	10.4
51-28-5	2, 4-Dinitrophenol	50.4
100.02.7	4-Nitrophenoi	50.4
132-64-9	Dibenzofuran	10.4
121-14-2	2 4-Dinitrossuene	
605-20-2	2 6-Dinifratatuene	¥
84-66-2	Diethylphthelate	13.
7005-72-3	4-Chlorophenvi-phenviether	10.4
85-73-7	Fluorene	10. U
100-01-6	4-Nitroanihne	50.4
534-52-1	4, 6-Dinitro-2-Methylphenol	50. u
85.30.6	N-Nitrosogmenvlamine (1)	10.4
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachlorotenzene	V
87-86-5	Pentachlorpphenol	50.4
85-01-8	Phenanthrene	10.4
120-12-7	Anthracene	10.4 "
84.74.2	Di-n-Butviprimalate	4. J
206-44-0	Fluorantnens	10 u
129-00-0	Pyrene	10.4
35-88-7	Butylbenzyloninalate	1. 3
91-94-1	3. 3 - Dichtorstenzidine	20.4
56-55-3	BenzousiAnthracene	10. H
117-81-7	bisi2-Einvinesvi@ninalate	9. J
219-01-9	Chrysene	10.4.
117-84-0	Di-n-Octyl Prinalate	430. *
205-99-2	Banzos Sifluorenthene	10·U
207-03-9	Benzorki Fluoranthane	
50-32 8	BenzotalPvrane	
193-39-5	Indence 1 2 3-ediPyrene	
53-70-3	Dibenzia hiAnirracene	
191-24-2	Bentois h i Perviane	<u> </u>

(1)-Cannot be secarated from diphenylamine
Revisoric ACIO +
DI -R-OCTYL PRESALATE DATA PROM BILVETRU AASTYYD

Laboratory Name ITAS Knowille

Case No EGG 23549

Organics Analysis Data Sheet (Page 3) Sample Number VB-1-F VB-1-F-PW VB-1-F-C 08

Pesticida/PCBs

nq

Concentration Low Medium (Circle One) ★	GPC Cleanup 🗆 Yes 👸 No
Date Extracted / Prepared 12/22-29/86	Separatory Funnel Extraction
Data Analyzed: 1-10,11-87	Continuous Liquid - Liquid Extraction Yes
Cone (Dil Factor) 15, 1/20, 1/200	
Percent Moisture (decanted)	

CAS Number		pxi-g weetigu enC etaiO)
319-84-6	Alpha-BHC	NA
319-65-7	3eta-3HC	
319-86-8	Delta-BHC	
\$8-89-9	Gamma-BHC (Lindana)	
76-44-8	Heptachlor	
309-00-2	Aldrin	
1024-57-3	Haptachlor Epoxide	
959-98-8	Endosulfan I	
60-57-1	Oraldrin.	
72-55-9	4,4-00E	
72-20-8	Endrin	
33213-65-9	Endosuitan II	
72-54-8	4.4.000	
1031-07-8	Endosulfan Sulfate	
50-29-3	4, 41-007	
72-43-5	Methoxychlor	
33494.70-5	Endrin Katone	
57-74-9	Chlordane	<u> </u>
\$001-35-7	Toutghane	1100.U
12674-11-2	70%:67-1018	500 U
11104-23-2	Arctor III	9400.4
11147-18-3	Aircelor-1202	500.U-
53409.21.9	Arestof 7242	รลง.น
12572-29-5	337e23.1263	- 500.U
11097-39-1	Arocior-1234	1000.4
11098-82-5	Aractor-1260	1000.4

V, . Volume of extract injected (ul)

V. . Volume of water extracted (ml)

W_a * Weight of sample emiracted (g)

V, * Volume of lotal extract (ul)

٧,		or W _s		v, 5000,0	v, <u>5</u>	
¥	modified prep	- 522	narrative			

Form 1

7 85

Sample Number
VB - Z - F

Organics Analysis Data Sheet (Page 1)

181

	• -	3- 1	
Laboratory Name: 17A S Lab Sample ID No: A 4 Sample Matrix: So Data Release Authorized By:	5845 WENT	Case No: EGG OC Report No: Contract No: Date Sample Received:	
	Volatile Co	ompounds	
	Date Extracted/Prepared: Date Analyzed:	NA	NO VOLATILE ANALYSIS REQUESTED THIS SAMPLE NUMBER
	Conc/Dil Factor:	<i>NA</i> pH)
	Percent Moisture: (Not De	ecanted)	

CAS Number	7	ug/l or ug/Kq (Circle One
74-87-3	Chioromethana	NA
74-83-9	Bromomethane	
75-01-4	Vinvi Chloride	
75-00-3	Chlorcethane	
75-09-2	Methylana Chlorida	
67-64-1	Acetone	
75-15-0	Carbon Disulfide	
75-35-4	1, 1-Dichlarostnana	
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichloroethene	
57-66-3	Chlaroform	
107-06-2	1, 2-Dichlarosthans	
78-93-3	2-Sutanona	
71-55-8	1, 1, 1-Trichtorpethane	
56-23-5	Caroon Tatrachloride	
108-05-4	Vinyt Acetate	
75-27-4	Sromodichtcromethane =	*

CAS Number		ug/l or ug/Kg (Circle One)
78-87-5	t, 2-Dichloropropane	NA
10051-02-€	Trans-1, 3-Dichloropropane	
79-01-8	Trichtoroethene	
124-48-1	Dibromochieromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Sanzene	
10081-01-5	cis-1, 3-0ichloropropena	
110-75-8	2-Chloroethylvinylether	
75-25-2	Bromotorm	
108-10-1	A-Methyl-2-Pentanone	
591-78-6	2-Hexanone	
127-18-4	Tetrachloroethene	
79-34-5	1, 1, 2, 2-Tetrachtoroethane	
103-88-3	Toluene	
103-90-7	Chlorobenzene	
100-41-4	Ethythenzene	
100-42-5-	Styrene	1:
	Total Xylenes	*

Data Resorring Qualiforni

For reparting needs to EFA, the following results escoliding are used.

Addresses Reps or bearries explaining results are producegod. However, the
delivation of each flat must be healist?

- Value If the result is a value greater than or equal to the devection limit, report the value
 - U Indicates compound was analyzed for but not denoted. Report the minimum detection time for the samete with the U log., TOU) hoseld on necessary concentration values action (The Id not necessarily the instrument detection time!) The Sections should read: U-Compound was analyzed for but not detected. The number is the minimum attainable devoction time!
- I increases an estimated value. This flog is used orther which assumating a concentration for tensionally isolated compounds where a 1-1 response is assumed as which is assumed as understand indicated the presence of a compound that meets the danielization critistia but the result is less than the specified detection limit bid greater than zero (e.g., 100). If time of detection is 10 µg/1 and 8 concentration of 3 µg/1 is calculated, report as 30.
- The flag actions to personal parameters where the identification has been confirmed by GC-MS. Single component sententials 210 parameters and the land outside the sententials on CP-14**
- Third flog is used when the analyse is found in the starts as well as a sample. It inscripts shoulder-probable blank contamination and warris the dots used to lake appropriations around.

Other Spacific Rises are free increase may be required a ground offered the results. If used, the important functioned are such execution stacked to the data summer, regard.

Form t

11/85

1063

Laboratory Name ITAS - KNOXVILLE EGG 23549

Sampla Number VB-2-F

Organics Analysis Data Sheet (Page 2)

AA5845

Samivolatile Compounds

Medium (Circle One) Date Extracted Prepared: 1-9-87 Conc/Dil Factor: 10:1

GPC Cleanup TYes Tho

Continuous Liquid - Liquid Extraction @Yes~↑

CAS Number	1	Circle One
108-95-2	Phenol	37
111-44-4	bisi-2-ChloroethyllEther	lau
95-57-8	2-Chiaraanenoi	
541-73-1	1 3-Dichlorobenzene	
105-45-7	1 4-Dichlorobenzena	
100-51-6	Benzyl Alcohol	
95-50-1	1 2-Dichloropenzene	
95-48-7	2-Methylphenol	
39538-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylpheno	
621-64-7	N-Nitroso-Oi-n-Propviamine	
67-72-1	Hexachloroethane	
99-95-3	Nitrobenzene	
78-59-1	Isopharane	
88-75-5	2-Nitrophenol	
105-67-9	2. 4-Dimethylohenol	y
65-85-0	Benzoic Acid	130 3
111-91-1	bisi-2-Chloroethoxy)Mathane	10.4
120-83-2	2. 4-Dichlorophenol	
120-82-1	1. 2. 4-Trichlorobenzene	T T
91-20-3	Maonthalene	44.
106-47-9	4-Chloroanitine	10.4
87-68-3	Hexachiorobutadiene	
59-50-7	4-Chloro-3-Methylohenal	
91-57-5	2-Meinylnaohtnalene	
77.47.4	Hazachiorocyclopentadiene	
88-05-2	2 4 6-Trichlorophenol	T W
95 95-4	[2 4 B-Trichlorophenoi	50.u
91-59-7	2-Chicronaghthalene	10.4
83.74.4	2-Nitroaniling	50.h
131-11-3	O.methyl Phinaiste	3. J
208-95-8	Acenachinylene	10.4
99-09-2	13-Nitroaniline	50.u

CAS Number		(Circle One
83-32-9	Acenaphthene	10.4
51-28-5	2. 4-Dinitrophenol	જે. પ
100-02-7	4-Nitrophenol	50.4
132-64-9	Dibenzofuran	10.U
121-14-2	2 4-Dinitrataluene	
506-20-2	2 5-Dinitrotoluene	V
84.66.2	Diethylonthalate	13.
7005-72-3	4-Chlorophenyl-phenyletner	10.4
86-73-7	Fluorene	10. U
100-01-6	4-Nitroaniline	50. u
534-52-1	4, 6-Dinitro-2-Methylphenoi	50. u.
36-30-6	N-Nitrosodionenvlamine (1)	10.4
101-55-3	4-Brumophenyl-phenylether	
118-74-1	Hexachiorobenzene	, ,
87-86-5	Pentachiorophenol	50. U
35-01-8	Phenanthrene	10· u
120-12-7	Anthracene	10.4
84-74-2	Di-n-Butylphthalate	S. 3
206-44-0	Fluoranthone	10.4
129-00-0	Pyrane	10 4
35-68-7	Butylbanzylphthalate	z. J
91-94-1	3, 3'-Dichlorobenzidine	20.4
S6.55.3	BenzolalAnthracene	10.4
117-81-7	bis(2-Ethylnexyl)Phthalate	
218-01-9	Chrysene	4
117-84-0	Di-n-Octyl Phinalata	310.
205-99-2	Sentabiliuaranthane	10.4
207-03-9	Benzolatifluoranthene	
50-12-8	Benzola:Pyrane	
193-39-5	(Indence 1 2, 3-ca)Pyrene	
53 70 3	Dihenzia hiAnthincene	
191.24.2	Bentaig h ilParylane	<u> </u>

(1)-Cannot be securated from diphanylamina

TAKEN PROM DILUTION AA53450

Laboratory	Name TTAS K	nozville
Case No =	E44 235	19

Percent Moisture (decanted) _

Organics Analysis Data Sheet (Page 3)

Sample Number V6-2-15 V6-2-5-XAD V6-2-5-PW V6-2-5-C

Pesticide/PCBs

184

Concentration L	ow Medium (C	Circle One) *	GPC Cleanup 🗆 Yes 💆 No
Date Extracted / Prep	ared 1-/22-29	1/80	Separatory Funnel Extraction
Date Analyzed			Continuous Liquid - Liquid Extraction @Yes
Conc Dil Facto:	115, 1/20 4200	<u> </u>	

		ng	
CAS Number		ug//er ug/K q (Circle One	
319-84-6	Alpha BHC	NA	
319-85-7	Beta-8HC		
319-86-8	Delta-8HC		
58-89-9	Gamma-8HC (Lindane)		
76-44-8	Heptzchlor		
309-00-2	Aldrin		
1024-57-3	Heptachlor Epoxide		
959.98.8	Endosulfan i		
60-57-1	Dieldrin		
72-55-9	4 4 -00E		
72-20-8	Endrin		
33213-65-9	Endosulfan II		
72-54-8	4, 4'-000		
1031-07-8	Endosultan Sulfate		
50-29-3	4, 41-DDT		
72-43-5	Methaxychiar		
53494-70-5	Endrin Katone		
57-74-9	Chlordane	<u> </u>	
8001-35-2	Toxaphene	1100.4	
12674-71-2	Arnelos-1015	500.0	
11104-23-2	Acocior-1221	L- 9400.LI	
	Acestor 1332	-500 tr	
	Arector-1242	500-4	
	Aracias 12:05	- 500.U-	
	Araciar-1234	1000.4	
11094-82-5	Arccior-1280	1000.4	

- V_a = Volume of extract injected (ul)
- V_g = Volume of water extracted (ml)
- W_e = Weight of sample extracted (g)
- V_t ≠ Volume of total extract (ul)

V _s		_ ~Ws _		v, 5000,0	v. 5.1
*	modified p	ددو -عده	narrasire		

Form 1

7 85

Sample Number
VB - 3-F

Organics Analysis Data Sheet (Page 1)

278

Lab Sample Sample Mat	Date	د لینامیں Volatile Co	Contract No: Date Sample Impounds Medium (Circ NA	Received: 12-9-	8L PLATILE
CAS	Perce	/Dil Factor:	canted)	/	ug/[erug/Xg
Number 74-87-3	1	(Circle One)	Number 78-87-5	1, 2-Dichloropropane	(Circle One)
	Chloromethane	NA		Trans-1, 3-Dichloropropene	
74-83-9	Vinyl Chlorida		79-01-6	Trichlorcethene	
75.00.3			124-48-1	Dibromochloromethane	 -
75-09-2	Chloresthane		79.00.5	1, 1, 2-Trichiprorethane	
67-64-1	Methylene Chloride Acetone		71-43-2	Banzene	
75-15-0	Carton Disulfide		<u> </u>	cis-1, 3-Dichloropropene	 -
75-35-4	1, 1-Dichlorosthane		110-75-8	2-Chloroethylvinylether	 -
75-34-3	1. 1-Dichloroethane		75-25-2	Bromoform	
156-60-5	Trans-1, 2-Dichloroether		108-10-1	4-Methyl-2-Pentanone	
67-66-3	Chloreform		591-78-6	2-Hexanone	
107-06-2	1, 2-Dichlorcethane		127-18-4	Tetrachloroethene	
78-93-3	2-Butanone		79-34-5	1. 1. 2. 2-Tetrachtoroethan	
71-55-6	1. 1. 1-Trichtorcethane		108-83-3	Toluena	
56-23-5	Carbon Tetrachionide		103-30-7	Chioropenzana	
108-05-4	Vinvi Acetate		100-41-4	Ethylbenzene	+
75-27-4	Bramodichloromethane		100-42-5	Siyrene	
				Total Xylenes	1

Lets Reparring Qualifions

For reporting recults to EPA, the following results qualifiers are used.

Assertional flags of footnoises englianing results are encourages). However, the definition of cach flag must be explicit.

- Value III the result is a value greener than or equal to the detection limit, report the value
- U Indicates compound was analyzed for but not detected. Recort the minimum detection limit for the sample with the U (e.g., 100) behalf an necessary concentration/distinct action. (This is not necessary the matriment detection limit.). The foundation should read: U-Compound was analyzed for but not detected. The number is the minimum attainable desection limit for the sample.
- Indicates an estimated volue. This Itog is used either when estimating a concentration for tentatively identified compounds where a 1-1 response is assumed or whon the mens spectral data indicated the presence of a consound that meets the identification criteria but the result is sess than the specified detection limit but greater than zero (e.g., 10,1-X limit of detection is 10 µg/1 and 8 concentration of 3 µg/1 is ruleurated, report as 3J.
- C This flag applies to persistate parameters where the identification has been confirmed by GC-MS. Simple component persisters ≥10 ng/ul in the final extract should be confirmed by GC/MS.
- The dag is used when the analyze is four dun the sisks as with disassery is undersine possible products blank containmation and were the data were to take appropriate action.

With a specific flags and looknoises may be required to prountly defined the results. If used, they must be fully described and such describenor attached to the data summery report.

Form I

1066

Laborator	Name 1745 -KNOXVILE
Case No	EGG 23549

Sample Number

V , -3-F

Organics Analysis Data Sheet (Page 2)

145846 B AASE46D #

Semivolatile Compounds

Concentration: (Low)	Medium	(Circle One)
Date Extracted / Prepared.		
Date Analyzed.		
Conc/Dil Factor:		
Percent Moisture (Decant		

GPC Cleanup DYes DNo

Continuous Liquid - Liquid Extraction EYes NA

•		\sim
CAS	;	Just of ug/ 5
Number	4	(Circle One
108-95-2	Phenol	32.
111-44-4	bisi-2-ChloroethyllEther	10.u
93.57.8	2-Chlorophenol	
541.73.1	1 3-Dichlorobenzene	
106-45-7	1 4-Dichlarabenzene	
100-51-6	Senzyi Alcohol	
95-50-1	1 2-Dichtorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bisi2-chloroisopropyllEther	
106-44-3	4-Methylpheno	
621-64-7	N-Nitroso-Oi-n-Propylamine	
67-72-1	Hexachioroethane	
98 95-3	Nitrobenzene	
78-59-1	Isopharone	
88-75-5	2-Nitrophenol	
105-67-9	2, 4-Dimethylphenol	¥
65-85-0	Benzoic Acid	110 4
111-91-1	bist-2-ChloroethoxylMethane	10.4
120-83-2	2, 4-Dichlorophenol	
120-82-1	1, 2, 4-Trichloropenzene	V
91-20-3	Naphthalene	36
106-47-8	4-Chloroaniline	10.4
87-68-3	Hexachiorobutadiene	
59-50-7	4-Chiara-3-Methylphenoi	
91-57-6	2-Methylnaonthalene	
77-47-4	Hexachlorocyclopentadiene	
88-06-2	2 4 6-Trichlarophenal	Ų
95 95-4	2 4 5-Trichlorophenul	50.4
91-58-7	2-Chioronaphinalene	10.u
88.74.4	2-Nitroaniline	50.4
131-11-3	Dimethyl Phthalate	7. [
208-95-9	Acanaphthylene	10.4
99-09-2	3-Nitroaniline	50.4

CAS Number		Circle One
83-32-9	Acenaphthene	10 u
51-28-5	2, 4-Dinitrophenoi	50 u
100-02-7	4-Nitrophenoi	50.4
132-54-9	Dibenzoturan	10.4
121-14-2	2 4-Dinitrototuene	
606-20-2	2 6-Dinitrotoluene	¥
84-56-2	Diethylohthalate	3. 5
7005-72-3	4-Chiorophenvi-phenviether	10. u
86-73-7	Fluorene	10.4
100-01-6	4-Nitroaniline	50.U
534-52-1	4, 6-Dinitro-2-Methylphenol	ان وي
86-30-6	N-Nitrosodiphenylamine (1)	10.u
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachiorobenzene	V
87-86-5	Pentachiorophenol	50.U
85-01-8	Phenanthrene	10·u
120-12-7	Anthracene	10.4
84-74-2	Dn-Butylphthalate	4. 3
206-44-0	Fluoranthane	1a u
129-00-0	Pyrane	
85-68-7	Butylbenzylphthalate	J.
91-94-1	3. 3 -Dichtoropenzidine	20.U
55.55.3	Benzo(a)Anthracene	/n. u
117-81-7	bisi2-Ethylnexyl)Phthalate	3. J
218-01-9	Chrysane	10.4
117-84-0	Di-n-Octyl Phthalate	120.
205-99-2	BenzolbiFluoranthene	10· u
207-08-9	Benzol×iFluoranthene	10.4
50-32-8	BenzolalPyrene	10.4
193-39 5	Indenoi1 2, 3-ediPyrane	10.4
53-70-3	Orbenzia htAnthracene	10.U
191-24-2	Benzag h ilPerviene	10.u

(1)-Cannot be separated from diphenylamine

- RASED AN DILITION AASEY6!

	s voorville	,			281
Laboratory Name					Sample Number
Case NoEBB	23549				VB-3-F
	Or	ganics Analysis	Data Sh	aat	VB-3-F-XAD VB-3-F-PW
·	•	(Page 3			VB.3-F-C
		(, og : c	''		VB · 3 - F C
		Pesticide/F	PCBs		
		rcle One)	GPC Clea	nup □Yas 🌣	No
Date Extracted / Prepared	12/22-29/8	<u> </u>	Separator	y Funnel Extr	action 🗆 Yes
Date Analyzed		-	Continuo	is Liquid - Liq	juid Extraction @Yes
Conc (Dil Factor) 10	420, 4200				
Percent Moisture (decanted)				
				ng	
	CAS Number		•	(Circle One)	
	319-54-6	Alona THC		MA	
	319-85-7	8e13-8HC			
	319-86-8	Delta-8HC			
,	58-89-9	Gamma-BHC (Linda	nel		
	75-44-3	Heptachlor			
	309-00-2	Aldrin			
	1024-57-3	Haptachtor Epoxide			
	959.98.8	Endosulfan I			
	50-57-1	Dieldrin			
	72.55.9	4.4-00E			
	72-20-8 33213-65-9	Endrin Endosulfan II			
	72-54-8	4.4'-000			
	1031-07-8	Endosulfan Sulfate			
	50-29-3	4.4'-DDT			
	72-43-5	Methoxychior			
	53494-70-5	Endrin Katone			
	57-74-9	Chlordane		\downarrow	
	8001-35-2	Toxaphene	1	100.4	
	12674-11-2	Articlor-1015		5∞.u	
		Arccior-1221	19	H00.U	
		Arector-1232		500.U	
	53489-21-9			F00.4	
	12872-29-6	Arocior-1248		100.00	
	11097-49-1			00.4	
	11030-02-5	Arocior-1250	1 10	000.41	
	•	* Volume of extract			
	•	* Volume of water a			
	•	* Weight of sample :			
	v _t	= Volume of total exi	(rect (ul)		
v			***	~ 6	٠)

Organics Analysis Data Sheet (Page 1)

Sample Number	
VB - 5 - F	
AA 6512	095

Laboratory Name: ITAS - KNOXVILLE Lab Sample ID No: A 4 6 5 1 Z	Case No: E G G Z 3 G Z
Sample Matrix: Solvent - Resin Data Release Authorized By: W-7- Wilm	Contract No:
Vola	atile Compounds
Date Analyzed: Conc/Dil Factor:	Low Medium (Circle One) epared: NA NA NA NA NA NA NA NA NA NA

CAS Number		ug/l or ug/Ki (Circle One
74-87-3	Chloromethane	NA
74-83-9	Bromomethane	1 1
75-01-4	Vinvi Chloride	
75-00-3	Chiorcethane	
75-09-2	Methylena Chlorida	
67-64-1	Acetona	1
75-15-0	Carbon Orsulfide	
75-35-4	1, 1-Dichlargethene	
75-34-3	1, 1-Oichloroethane	
156-60-5	Trans-1, 2-Dichloroethene	
67-66-3	Chloroform	
107-06-2	1, 2-Dichtoroethane	
78-93-3	2-Butanone	
71-55-6	1, 1, 1-Trichtcroethane	
56-23-5	Carbon Tetrachloride	
108-05-4	Vinyl Acerate	
75-27-4	Bromodichloromethana	T T

CAS Number		ug/1 or ug/Kg (Circle One)
78-97-5	1, 2-Dichloropropane	NA
10061-02-6	Trans-1, 3-Dichlaropropene	
79-01-6	Trichloroethene	
124-48-1	Dibromochloromethane	
79.00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10051-01-5	cis-1, 3-Dichtaropropene	
110-75-8	2-Chloroethylvinylether	
75-25-2	Bromaterm	
108-10-1	4-Methyl-2-Pentanone	
591-78-6	2-Hexanone	
127-18-4	Tetrachioroethene	
79-34-5	1, 1, 2, 2-Tetrachioroethane	
108-88-3	Taluene	
108-90-7	Chlorobenzene	
100-41-4	Ethylbenzens	
100-42-5	Styrene	
	Total Xvienes	*

Data Reporting Qualifiers

ng results to EPA. the following results qualifisms and used. thanks flagu er foothering evolutioning remains one encouraged. However, the dofunction of each flag must be explicit.

If the result is a value graphy than or equal to the detection lime, \$445 MAI 170091

The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th

- Indicates compound was analyzed for but not usected. Report the mum detection time for the sample with the U le g., 100) beside on necessary concentration/dilution action. (This is not necessarily the instrument detection time! The looking's should read U-Compaund was analyzed for but not detected. The number is the minimum sitsmable delection limit for the sample
- Indicates an estimated value. This flag is used either which estimating a concontration for tentatively identified compounds where a 1-1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greetar man zero (e.g., 10.)). If himin of detection is 10 ug/1 and a concentration of \$ µ3/1 is calculated, report as \$3.3
- heen continued by GC-MS. Single compension pesticides≥10 kg/ul in the final exiscs should be continued by GC-MS.
- This flag is used when me analyse is found in the stare as well as a sample. It indicates pessible process blank containmellion and warms the data user to land appropriate action

Other specific flags and loornships may by required to properly define the results. If used, they must be fully described and such describing arcached to the data summary results

Form I

Laboratory Name:	ITAS-KNOXVIIL
Case No:	EGG 23612

Sample Number

AA6512 AA65120 +

Organics Analysis Data Sheet (Page 2)

Semivolatile Compounds

GPC Cleanup DYes Mo

Separatory Funnal Extraction | Tes

Continuous Liquid - Liquid Extraction Eyes MA

Date Extracted / Prepared: 1-9-87

Date Analyzed: /-12-87

Conc/Dil Factor: /0:/

Percent Moisture (Decanted) //

Concentration: (Low

Medium (Circle Ona)

CAS Number		X Quio Acqui (Circle One
108-95-2	Phenol	28.
111-44-4	bist-2-ChloroethyllEther	10.u
93-57-8	2-Chlorophenol	
341.73.1	1 3-Oichlorabenzene	
106-45-7	1 4-Dichlorobenzene	
100-51-6	Sanzyi Alcohol	
95-50-1	1. 2-Dichlorobenzene	
95-48-7	2-Methylohenol	
39538-32-9	bist2-chloroisopropyliEther	
106-44-5	4-Methylpheno	
621-64-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachioroethane	
98-95-3	Nitrobenzene	
78-59-1	Isopharane	
88-75-5	2-Nitrophenol	
105-67-9	2, 4-Dimethylphenol	ý
65-85-0	Benzoic Acid	110 3
111-91-1	bist-2-Chloroethoxy)Methane	10. u
120-83-2	2, 4-Dichlorophanol	
120-82-1	1, 2, 4-Trichlorobenzene	4
31-20-3	Naphthalene	70.
106-47-8	4-Chloroanding	10. u
87-68-3	Haxachlorobutadiene	
59-50-7	4-Chioro-3-Mainviohenol	
91-57-5	2-Methylnaphthalene	
77-47-4	Hexacolorocyclopentadiene	
88-C-5-2	2. 4. 5-Trichlorophenal	4
95-95-4	2. 4 5-Trichlorophenol	59.4
91-58-7	2-Chloronaonthalene	10. u
83-74-4	2-Nitroaniline	50.4
131.11.3	Dimethyl Phthalate	90 J
203-35-8	Acensohimylene	10.4
39.03 2	3-Nitroanitine	50.U

CAS Number		49401 (a) III
83-32-9	Acenaphthene	10.4
51-29-5	2, 4-Dinitroonenal	50.u
100-02-7	4-Nitrophenol	50.u
132-54-9	Dibenzoluran	10.4
121-14-2	2 4-Dinitrotoluene	
505-20-2	2 S-Dinitrotoluene	· V
84-66-2	Diethylohthalate	4.05
7005-72-3	4-Chlorophenyl-phanylether	10.4
86-73-7	Fluorane	/O. W
100-01-6	4-Nitrosniline	50.4
534-52-1	4, 5-Dinitro-2-Methylphenol	50. U
85-30-6	N-Nitrosodiphenylamine (1)	10.4
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachiorobenzane	¥
87-86-5	Pentachloreshenol	50. u
85-01-8	Phenanthrane	10. u
120-12-7	Anthracane	10.4
34.74.2	Di-n-Butviphthalate	8. 5
206-44-0	Fluoranthene	10.4
129-00-0	Pyrena	
35-68-7	Butyibanzylphthalate	Ψ
\$31-94-1	3 3'-Oichforchentidine	20.u
S5.33.3	BenzalAnihracene	/# u
117-31-7	hist2-Ethylhesyl)Phthalate	36.
218-01-9	Chrysana	10. U
117-34-0	Dirn-Octyl Phinalate	1400. #
205-99-2	Bantri 5 Fluoranthene	10.U
207-08-9	Jenzokifluoranthene	
50·32·8	Benzala)Pyrane	
193-39-5	Indeno(1, 2, 3-cd)Pyrene	
53-70-3	Oibentia hiAnthracene	
191-24-2	Benzalg in ilParviene	<u> </u>

III-Cannot be secarated from dinhanviaming

TAKEN FROM DILUTION AUX

Case NoEG:G	23613			Sample Number
	Or	ganics Analysis Dat (Page 3)	a Sheet	VB-5-F-XAD VB-5-F-PW VB-5-F-C
		Pesticide/PCBs		00
Concentration Low	Medium (Cii		Cleanup @Yes WNo	
Date Extracted / Prepared: _			,	
			aratory Funnel Extrac	
Data Wildiaten	0-87	Con	tinuous Liquid - Liqui	d Extraction DYes
Conc (Dil Factor) 1/20	1200			•
Percent Moisture (decanted	1)			
			nq	
	CAS Number	•	¥g7t ar og7 Kg (Circle One)	
	319.84.6	Alona BHC	NA	
	319-85-7	Beta-BHC		
	319-85-8	Delta-BHC		
	58-89-9	Gamma-BHC (Lindane)		
	76.44.8	Heotschlor		
	309.∞.2	Aldrin	4	
	1024-57-3	Heptachior Epoxide		
	959-98-8	Endosultan I		
	50-57-1 72-55-9	Oleidrin 4 4 -DDE		
	72.20.8	Engrin		
	33213-65-9	Endosultan II	+	
	72.54.8	4.4.000		
	1031-07-8	Endosulfan Suifate		
	50-29-3	4, 41-001		
	72-43-5	Methosychlor		
	53494-70-5	Endrin Ketone		
	57.74.9	Chlordane	<u> </u>	
	8001-35-2	Toxaphene	4400.U	
	12674-11-2		1500.4	
	11104-28-2	Aroctor-1221 Aroctor-1232	94∞·U	
	53469-21-9	Aroctor-1242	1000.U	
•	12672-29-6	Aroctor-1248	1300.4	
	11097-89-1	Arocior-1254	1000.4	1
	11096-82-5	Arcelor-1250	3 x 00.U	
·	v _s	Volume of extract injecte Volume of water extracts Weight of sample extract	rd (ml)	

= modified prep - see narrative

Sample Number	7
VB-6-F	
	ปี146

and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s

Organics Analysis Data Sheet (Page 1)

Lab Sample ID No: _	MAGSIB SOLVENT-RESIN	Case No: EGG OC Report No:	
	rized By: W-T- Wilam	Date Sampla Received:	
	Concantration: Low Date Extracted/Prepared	red: NA REQUE	NO VOLATILE ANALYSIS REQUESTED THIS
	Date Analyzed: Conc/Dil Factor:		SAMPLE NUMBER

Percent Moisture: (Not Decanted) ___

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	MA
74-83-9	Bromomethane	1
75-01-4	Vinvl Chlorida	
75-00-3	Chlorethane	
75-09-2	Mathylena Chlorida	
67-54-1	Acetona	1
75-15-0	Carbon Disulfida	
75-35-4	1. 1-Dichloroathana	
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichloroathana	
67-66-3	Chloroform	
107-06-2	1, 2-Dichloroethane	
78-93-3	2-Sutanone	
71-55-6	1, 1, 1-Trichlorcethane	
56-23-5	Carbon Tetrachiorida	
108-05-4	Vinyl Acetate	
75-27-4	Bromodichtorometriane	1

CAS Yumber		ug/lorug/Kg (Circle One
78-37-5	1, 2-Dictilorograpane	NA
10061-02-6	Trans-1, 3-Dichloropropene	
79-01-8	Trichlorgethene	
124-48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Sanzene	ì
10051-01-5	cis-1, 3-Dichlaragrapene	
110-75-8	2-Chloroethylyinylether	
75-25-2	Bremoterm	
108-10-1	4-Mathyl-2-Pantanone	
591-78-6	2-Hexanone	
127-18-4	Tetrachioroethene	1
79.34.5	1, 1, 2, 2-Tetrachloroginane	
108-88-3	Toluene	
103-90-7	Cintorcoantane	
100-41-4	E:hyloentana	
100-42-5	Styrana	
	Total Xvienes	-

Date Resurring Qualifiers

For respiring reducts as EPA, the hillening meutic qualifiest are word.

Addresses Ragg or francises inschinely results are proportional. Harrings, the collection of each Rag must be explicit.

- Yakus If the result is a value greater than or result is the denestron himse report the value.
- U Indicates remoduled was shally still for but not delicated. Report the minimum docession time for the cample with the U (a.g., 100) hashed on necessary concerns atoms of the same of the I (he is not observable). The instrument detection time (). The friendod provided rand. U-Compared was analyzed for but not detected. The minimum attainable detection himself or the primose.
- J. Indicates an estimated volue. This stay is used either within estimating a concentration for tentatively identified compounts where a 1-1 responds is assumed or when the mass spectral data indicated the president of a compound that meets the identification criteria but the result is less than the specified detection finish but greater than tent in § 1000. If time at detection is 10 µg/1 and 8 concentration of 3 µg/1 is calculated, report as 3.3.
- C. Thus itsay applies so perfor the parameters where the information has been confirmed by GI; MS. Surgio component pastropted ≥10 mg/sd in the hinal extract should be confirmed by GC:MS.
- 3 This flag is used when the amount is found in the bland as well in a service. It intercates possions to involve between consistent and where the data was as to take and one of the action.

their Other specific flarjs and feetiness in as be requested to properly defined the results. If wast, they must be fully despiritives and such despiritives attached to the data summers recent.

Form I

	TTAR WALLEY!		114
Case No: EG	ITAS-KNOXVIIIL G 23612	· .	Sample Number VB-6-F
	Organics Analy (Pag		AA 6513 AA 5613 D +
	Semivolatile	Compounds	
Concentration: Low	Medium (Circle One)	GPC Cleanup []Ye	s (Tho
Date Extracted / Prepared	1 1-9-87	Separatory Funnel	Extraction Tes

1-12-87

10:1

	CAS Number		wg-4 or (g) #
	108-95-2	Phenol	34.
	111.44.4	bist-2-ChloroethyllEther	10.4
	95-57-8	2-Chiorophenoi	
	541-73.1	1 3-Okthoropenzene	1-1-
	105-45-7	1, 4-Dichlorobenzene	
	100-51-6	Benzyl Alcohol	
-	95-50-1	1 2-Dichloropenzene	
	95-48-7	2-Methylphenol	
1	39638 32.9	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
1	106-44-5	4-Methylpheno	
ĺ	621-64-7	N-Nitroso-Di-n-Propylamine	1
ĺ	67-72-1	Hexachioroethane	
I	98-95-3	Nitrocenzene	
I	78-59-1	Isophorone	
	88-75-5	2-Nitrophenol	1
ſ	105-67-9	2, 4-Dimethylphenol	1
C	65-85-0	Benzoic Acid	240. *
L	111-91-1	bist-2-Chloroethoxy/Methane	10. 11
Γ	120-83-2	2, 4-Dichlorophenol	
Γ	120-82-1	1, 2, 4-Trichloropenzene	1
ľ	91-20-3	Naphthalene	61.
Ī	06-47-8	4-Chloroaniline	10.4
٤	37-68-3	Hexachloroputadiene	
5	9-50-7	4-Chloro-3-Methylphenal	
9	1-57-6	2.Methylnaphthaligne	
7	7.47.4	Hexachtorodyctopentadiane	
8	8-05-2	2, 4 6-Trichlarophenal	V
_	5.95.4	2 4 5-Trichtorophenoi	50. se
	1 58.7	2-Chloronzonthalens	10. u
_	9.74.4	2-Nitroaniline	50.U
_	31-11-3	Dimethyl Phinalate	12.
2	08-95-9	Acensoninviene	10.4

Date Analyzed: ____

99-09-2

3-Nurpaniline

Conc/Dil Factor: _____

Percent Moisture (Decented) NA

CAS Number		wg-44-or € 28 (Circle One
83.32.9	Acanaphthana	10.4
51-28-5	2, 4-Dinitrophenoi	50.u
100-02-7	A-Nitrophenol	50.u
132-64-9	Dibenzofuran	10.4
121-14-2	2 4-Dinitratoluene	
606-20-2	2. 5-Dinitratoluene	
84.55.2	Diethylphthalate	4. J
7005.72.3	4-Chlorophenvi-phenvising-	10.u
85-73-7	Fluorene	10.4
100-01-5	4-Nitroaniline	50.4
534-52-1	4, 6-Dinitro-2-Methylphenol	50. u
86-30-6	N-Nitrosodiphenylamine (1)	10.4
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachlorobenzane	*
87-85-5	Pentachiorophenoi	50.4
85-01-8	Phenanthrene	10.4
120-12-7	Anthracene	10.4
84-74-2	Di-n-Butylonthalate	5. 7
206-44-0	Fluorenthane	10.4
129-00-0	Pyrene	
85-68-7	Butylbantylonthalate	
91-94-1	3. J'-Dichloropenzidine	20.4
56-55-3	denzoralAnthracene	10 u
117-81-7	DISE-EthylnexyllPhthalare	
218-01-3	Chiysene	4
117-84-0	Di-n-Octyl Phinalate	330. 4
205-99-2	Sentativoranthene	10.4
207-08-9	Bensakifluoranthene	
50-32-8	BenzalaPyrane	
193-39-5	Indenor1, 2, 3-cd)Pyrene	
53-70-3	Dibenzia hiAnthracene	
191-24-2	Benzalg it il Perviene	y

Continuous Liquid - Liquid Extraction @Yes WA

(1) Cannot be separated from diomenylamine

F THEEN FROM INCURIOU AUN

Form I

50.U

Laboratory NameTTAS	23612			Sample Number
Case NoEGG				VB-6-F- XAO
	Or	ganics Analysis Dat	a Sheet	43-6-F-PW
		(Page 3)		VB-6-F-C
		Pesticide/PCSs		O
Concentration Low N	fedium (Ci	rcie One) ¥ GP0	Cleanup 🗆 Yes 🛱 N	
ate Extracted / Prepared:	12/22-29		aratory Funnel Extra	
sta Analyzed	1-37	Con	tinuous Liquid - Liqu	id Extraction DYes
	120 Y200		-	
ercent Moisture (decanted)			na	
	CAS		martornarko	
	Number		(enO elaniO)	
	319-84-6	Alona-BHC	NA	
	319-85-7	Beta-BHC		
	319-86-8	Delta-BHC		
	58-89-9	Gamma-BHC (Lindarn)		
	76-44-8	Heptachlor		
	309.00.2	Aldrin		
	1024-57-3	Meptachlor Epoxide		
	959-98-8 60-57-1	Endosultan I		
	72-55-9	Dieldrin 4,4-008		
	72-20-8	Endrin		
	33213-55-9			
	72-54-8	A 4'-000		
	1031-07-8	Endosulfan Sulfate		
	50-29-3	4 4 -OOT		
	72-43-5	Methoxychlor		
	53494-70-5	Endrin Katona		
	57-74-9	Chlordane	1 4	
	8001-35-2	Totaghene	2200.U	
	12574-11-2	Araclar-1015	750.4	
	11104-28-2	Arocior-1221	9400.4	
	11141-13-5	Arcelor-1232	510.4	
_		Arector-1242	5∞.⊔	
•	12572-29-5	Aroctor-1248	650.4	ŧ
	11097-39-1	Aroctor-1254	1000.4	
	11095-82-5	Arocior-1280	1900.4	
	•	* Volume of extract injustrations		
	•	* Weight of sample extract (
	•	v ₁ 5		- 0
v	me 188	v 5°		5., V

Sample Number Tenay SA, 14812 Charcoal SA, 14815

Organics Analysis Data Sheet (Page 1)

AA6498/AA6499

Laboratory Name: TTAS Kuoxville Lab Sample ID No: AA6498	Case No: <u>E66 23612</u> <u>021</u> ;
Sample Matrix: VOST Data Release Authorized By: W. T. Wilson	QC Report No: Contract No: Date Sample Received: 12/17/86
Volatile Co	mpounds
Date Analyzed: 12/	12/30/86 30/8L
Conc/Dil Factor: NA Percent Moisture: (Not De	

CAS Number		ng/tube ug/losug/Kg (Circle One)
74-87-3	Chloromethana	50. U
74-83-9	Sremomethane	1
75-01-4	Vinvi Chloride	
75-00-3	Chlorosthane	-
75-09-2	Methylene Chloride	110.
67-64-1	Acetone	15,000. B
75-15-0	Carbon Disulfide	74.
75-35-4	1. 1-Cichloroethene	25. U
75-34-3	1, 1-Dichlorosthans	
153-60-5	Trans-1, 2-Dichloroethene	1
67-66-3	Chloroform	6Z. B
107-06-2	1, 2-Dichtoroethane	25. U
79-93-3	2-Butanone	520. B
71-55-6	1, 1, 1-Trichloroethane	25. W
56-23-5	Carbon Tatrachlorida	25. U
108-05-4	Vinyl Acetate	50.U
75-27-4	Bromodichloromethane	12. 5

Mary and a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon

CAS Number		ng/tube og/torug/Kg (Circle One)	
78-87-5	1, 2-Dichloropropane	25.U	7.
10061-02-6	Trans-1, 3-Dichloropropene]
79-01-5	Trichtoroethene		}
124-48-1	Dibromochloromethane		}
79-00-5	1, 1, 2-Trichlorcethane	Y	1
71-43-2	Benzene	79.	1
10061-01-5	cis-1, 3-Dichlaropropene	25.U	1
110-75-8	2-Chloroethylvinylether	50.U	1
75-25-2	Bromotorm	25. U	1
108-10-1	4-Methyl-2-Pentanone	50. U	1
591-79-6	2-Hexanone	50.U	1
127-18-4	Tetrachloroethene	1000.	1
79-34-5	1, 1, 2, 2-Tetrachloroethane	25.U	i
108-88-3	Toluene	460. J	1
108-90-7	Chlorobenzene	25.UL	i
100-41-4	Ethvibenzene	22 =	
100-42-5	Styrene	290.	
	Total Xylenes	110	GIW

1-18.8

Data Recording Qualifiers
For reporting results to EPA, the following results qualifiers are used.
Additional flags or footnotes explaining results are encouraged Mowever, the distinction of each flag must be explicit.

- Value If the result is a value greater then or equal to the detection firms, report the value.
- U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (a.g., 100) based on necessary concentration / diution action. (This is not necessarily the instrument detection limit.) The footnote should read. U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
- Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where e.t.1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criterialbut the result is less than the specified detection fimit but greater than zero, (e.g., 10.1). If timit of detection is 10 ug/1 and a concentration of 3 ug/1 is calculated, report as 3.1.
- C. This flag applies to pesticide parameters where the identification has been confirmed by GC MS. Single component pesticides ≥10 ng/ul in the final exerct should be confirmed by GC MS.
- 8 This flag is used when the analyse is found in the blank as well as a sample. It indicates possible prohable blank containination and werns the data user to late appropriate action.

Other Other specific flags and loomores may be required to properly defined the results. If used, they must be fully described and such generotion affected to the data summary reports.

Form I

1075

Sample Number Tenay 53, 14813 Charcol 58, 14916

Organics Analysis Data Sheet

AA6500/AA6501

_aboratory N				~	03
	Name: ITAS KUOXW	ille	Case No:	369 53612	
ab Sample	ID No:):	
Campia Mar	71X VOST				
sample iviati	(IX	1424	Contract No.	Received: 12/17/86	
Jata Release	e Authorized By:	with	Date Sample	Heceived:	
		Volatile Co	mpounds		
				cle One)	
	Date Exi	tracted/Prepared:	12-30-84	• •	
	Date 4-	alyzed:	7-30-86		
	Date An	alyzed:		1 A	
<u></u>	Conc/D	il Factor: NA	<u></u> рН <u></u> _	JA	
	Percent	Moisture: (Not De	canted)		
					مرابارات
CAS		na/tube	CAS		ng/tube
Number		(Circle One)	Number		(Circle One)
74-87-3	Chloromethane	50. LL	78-87-5	1, 2-Dichloropropane	25. U
74-83-9	Bromomethane		10061-C2-6	Trans-1, 3-Dichloropropene	
75-01-4	Vinvt Chloride		79-01-5	Trich:proethene	
75-00-3	Chloroethane		124-49-1	Dibroinochloromethane	ļ
75-09-2	Methylene Chloride	750.	79.00.5	1, 1, 2-Trichloroethane	Y
57-64-1	Acetone	7200. B	71.43.2	Senzene	39.
75-15-0	Carbon Disulfide	65.		cis-1, 3-Dichloropropene	25.L
75-35-4	1. 1-Dichloroethene	25.U	110-75-8	2-Chioroethylvinylether Bromoform	50. U
75-34-3	1, 1-Dichloroethane	 	75-25-2 108-10-1	4-Methyl-2-Pentanone	25: U
156-60-5	Trans-1, 2-Olchioroethene		591.78.6	2-Hexanone	50. U
67-66-3 107-06-2	Chioroform	25. U	127-18-4	Tetrachiorgerhene	50. U 250.
78-93-3	1, 2-Dichloroethane	12.00. B	79.34.5	1. 1. 2. 2-Tetrachioroethane	
71.55.6	1. 1. 1-Trichlorgethane	25. U	108-88-3	Toluere	490.
56.23.5	Carbon Tetrachloride	25. U	109-90-7	Chlorobenzene	25. U
108-05-4	Vinyl Acatate	50. U.	100:41:4	Ethylbenzene	21. J
75-27-4	Bromodichloromethans	25.U	100-42-5	Styrene	and of many
	2.3	1 23.00		Total Xvienes	77

minimum attainable detection limit for the sample

Indicates an estimated value. This flag is used either when estimating a concentration for rentatively identified compounds

where a 1.1 response is assumed or when the mass specified data indicated the presence of a combound that meets the indicated the reserve of a combound that meets the indirection criteria but the result is less than the specified distriction limit but greater than zero is g. 1031. If time of detection is 10 yq/1 and a concentration of 3 yq/1 is calculated report as 3.3.

Other specific flags and footnotes may be required to properly define

the results. If used, they must be fully described and such description

attached to the data summary report

Sample Number Tenue 50, 14814 Charcost 50, 14917

Organics Analysis Data Sheet (Page 1)

Chancol	54,	1491	1		
AA65	:02	11	TAE	550	3

Laboratory Name: ITAS KILOXVIIIE Lab Sample ID No: AA6502	Case No: <u>E66 23612</u> QC Report No:
Sample Matrix: VCST Data Release Authorized By: W.T. William	Contract No:
Volatile (Compounds
	Medium (Circla One) d: 12 - 30 - 86 12 - 30 - 86
Conc/Dil Factor:	JA pH NA

CAS		19/tube
Number		enO elariO)
74-87-3	Chloromethane	50. U
74-83-9	Bromomethane	
75-01-4	Vinvl Chlaride	Ī
75-00-3	Chlomethane	
75-09-2	Methylane Chloride	72.
67-54-1	Acetune	1800. B
75-15-0	Carbon Disulfide	46.
75-35-4	1, 1-Dichleroethene	25 U
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichlorpethene	V
67-66-3	Chiaroform	27. B
107-06-2	1, 2-Dichloroethane	25.U
78-93-3	2-Butanone	470. B
71-55-6	1, 1, 1-Trichloroethane	25. U
56-23-5	Carbon Tatrachiorida	25.4
108-05-4	Vinyl Acetate	50 U
75-27-4	Bromodichloromethane	25. U

CAS Number		ng Hube ugsteruging (Circle One)
78-87-5	1, 2-Dichloropropane	25. U
10061-02-6	Trans-1, 3-0-chloropropene	1
79-01-6	Trichlargethene	
124.48.1	Dibromochioromethane	
79-00-5	1, 1, 2-Trichloroethane	+
71-43-2	Benzene	33.
10061-01-5	cis-1, 3-Dichlarapropene	ZS.U
110-75-8	2-Chloroethylvinvlether	50. U
75-25-2	Bromotorm	25. L
108-10-1	4-Methyl-2-Pentanone	50. U
591-78-6	2-Hexanone	50.U
127-18-4	Tetrachioroemene	96.
79-34-5	1, 1, 2, 2-Tetrachtoroethane	25.U
108-88-3	Toluene	180.
108-90-7	Chlorobenzene	25.U
100-41-4	Ethvibenzene	25 4
100-42-5	Styrene	# 150
	Total Xylenes	16 7

142-5 142-5

Data Reporting Qualifiers

For recording results to EPA, the following results qualifiers are used. Additional flags or footnores explaining results are encouraged. However, the definition of each flag must be explicit.

- Value If the result is a value greener than or equal to the detection firms report the value
- U Indicates compound was energized for but not detected. Report the minimum detection limit for the sample with the U laig. 100) based on necessary concentration / diction action. (This is not necessarily the instrument detection time). The footnote should read. U-Compound was analyzed for but not detected. The number is the minimum attended election limit for the sample.
- I indicates an estimated value. This flag is used either when estimating a concentration for rentatively identified compounds where a 1-1 response is assumed or when the mass spectral data indicated the presence of a compound that medis the electrication criteria but the result is less than the specified detection first but greater than zero lie g. 1003. If first of detection is 10 ug/1 and a concentration of 3 ug/1 is calculated report as 30.
- G. This flog applies to posticide parameters where the identification had been confirmed by GC-MS. Single component pesticides ≥10 ng rul in the final extract should be confirmed by GC-MS.
- 8. This flag is used when the analyte is found in the blank as well as a sample. It includies possible probable blank containmetron and werns the data user to take appropriate action.

Other specific (tags and footnotes may be required to properly define the results. If used, they must be fully discribed and such description attached to the data summary report.

Form 1 1077

Sample Number Tenap 6A, 17945 Chancal 6A, 17948

Organics Analysis Data Sheet (Page 1)

AA6504/AA6505

(rage 1)	
	Case No:EGG Z36/Z
Lab Sample ID No: AA6504 Sample Matrix: UOST	QC Report No:
Data Release Authorized By: W-T. hilan	Date Sample Received: 17-17-84

Volatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 12-30-86

Date Analyzed: 12-30-86

Conc/Dil Factor: NA pH NA

Percent Moisture: (Not Decanted) NA

CAS Number		ng/tube
74-87-3	Chloromethane	67.
74-83-9	Bromomethane	50.U
75-01-4	Vinvi Chloride	
75-00-3	Chloroethane	¥
75-09-2	Methylene Chloride	49.
67-64-1	Acetone	6300. B
75-15-0	Carbon Disulfide	66
75-35-4	1, 1-Dichlorgethene	25. U
75-34-3	1, 1-Dichforoethane	
156-60-5	Trans-1, 2-Dichloroethene	ν,
67-66-3	Chloraform	Z3. J B
107-C6-2	1, 2-Dichloroethane	25. U
73-93-3	2-Butanone	2.10. B
71-55-6	1, 1, 1-Trichloroethane	22.3.
56-23-5	Carbon Tetrachloride	9. \(\tau \)
108-05-4	Vinyl Acetate	50.U
75-27-4	Bromodichloromethane	25.U

CAS Number		ng/tube ug/toug/Kg (Circle One)
78-87-5	1, 2-Dichloroprobane	25. U
10061-02-6	Trans-1, 3 Dichloropropene	
79-01-6	Trichloroethene	
124-48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichloroethane	Ψ
71-43-2	Senteue	93.
10061-01-5	dis-1, 3-Oichtaraareaene	25.K
110-75-8	2-Chloroethylyinvletner	50.K
75-25-2	Bramotorm	25. U
108-10-1	4-Methyl-2-Pentanone	50.U
591.78-6	2-Hexanone	50. U
127-18-4	Tetrachiorgethene	99.
79-34-5	1, 1, 2, 2-Tetrachloroethane	25.4
108-88-3	Toluene	140.
108-90-7	Chlorobenzene	25.U
100-41-4	Ethylbenzene	33.
100-42-5	Styrana	29-395
	Total Xvienes	200.

P.~ ·***/# 7

Data Resorting Qualifiers

For reporting results to EPA, the following results qualified are used. Additional flags or footnoies evaluating results are encouraged. However, the definition of each flag must be explicit.

- Value If the result is a value greater than or equal to the detection limit, report the value.
- U. Indicates compound was analyzed for Dut not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/obtaion action. (This is not necessarily the instrument detection limit.). The footnote should read. U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
- J. Indicates an estimated value. This Ifag is used either when estimating a concentration for tentatively identified co-nodunds where a 1-1 response is assumed or when the misss spectral rata indicated the presence of a compound that meets the contrication criteria but the result is less than the specified detection limit but greater than zero leg [10]. If timit of detection is 10 jug/1 and a concentration of 3 jug/1 is calculated report as 3J.
- C. This flag applies to pessioned parameters where the intention has been confirmed by GC MS. Single commitment pessioners ≥10 ngrul in the final extract should be confirmed by GC:MS.
- This flag is used when the analyte is found in the blank as well as a sample. It indicates possibly producte blank containination and warm the data user to take appropriate action.
- Other specific flags and footnotes may be required to property defined the results. If used they must be fully described and such described attached to the data summary report.

Form 1

1078

Sample Number Tenan 68, 17946 Chemoal 6B, 17949

Organics Analysis Data Sheet (Page 1)

AA6506, AA6507

Laboratory I	Name: ITAS Kuoxu	ille	-		EG6 23612 o:	U445
samole Ma	trix: VOST se Authorized By: U/.T:		-	Contract No: Date Sample	Received: 12-17-8	6
		Volatile	Com	pounds		
	Date And Conc/Di	ration: Low racted/Prepare alyzed: I Factor: Moisture: (Not	d: _ 2- NA	12-30- 30-86 pH_1	JA	
CAS Number		ng/tube ug/torug/Kg (Circle One	,	CAS Number		ng/tobe ug/torug/Xg (Circle One)
74-87-3	Chloromethane	50.U]	78-87-5	1 2-Dichforopropane	25. U
74-83-9	Bromomethane	l i]	10061-02-6	Trans-1, 3-Dichloropropene	
75-01-4	Vinvi Chlaride]	79-01-6	Trichloroetnene	
75-00-3	Chloroethane	V	1	124-48-1	Dibromochloromethane	
75-09-2	Methylene Chloride	10.	1	79-00-5	1, 1, 2-Trichloroethane	۲
67-64-1	Acetone	750. B	1	71-43-2	Benzene	97.
75-15-0	Carbon Disulfide	23. J	1	10061-01-5	cis-1, 3-Dichtoropropene	25. U
75-35-4	1, 1-Oichforcethene	25.11	1	110-75-8	2-Chloroethvivinvlether	50. U
75-34-3	1, 1-Oichtoroethane	25.U	1	75-25-2	Bromotorm	25.U
156-60-5	Trans-1, 2-Dichloroethene	25. U	1	108-10-1	4-Methyl-2-Pentanone	50.U
67-66-3	Chloroform	24. J B		591-78-6	2-Hexarione	50.U
107-06-2	1, 2-Dichloroethane	25. U	{	127-18-4	Tetrachioroethene	54.
78-93-3	2-Sutanone	250	Ì	79-34-5	1. 1. 2. 2-Tetrachioroethane	
71-55-6	1, 1, 1-Trichloroethane	-25-4173		108-88-3	Toluens	120.
56-23-5	Carbon Tatrachlorida	25467	1-1941	108-90-7	Chlorobenzene	25.U
			i		1	

Data Reporting Qualifiers

100-41-4

100-42-5

50. U

For reporting results to EPA, the following results qualifiers are used Additional flags or footnotes explaining results are encouraged. However, the defenden of each flag must be expect.

If the result is a value greater than or equal to the detection limit, report the value

Bromodichloromerhane

Vinyl Acetate

108-05-4

75-27-4

- Indicates compound was analyzed for but not detected. Report the minimum parection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution action. (This is not necessarily the instrument detection limit! The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample
- Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 3-3 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero leig. 103). If limit of detection is 10 µg 1 and a concentration of 3 µg/1 is calculated ireport as 3J
- This like applies to pessicide parameters where the identification has C been confirmed by GC MS. Single component pesticides≥10 $\text{ng}\,\text{r}\,\text{ul}$ in the limit extract should be confirmed by GC/MS.

Ethylbenzene

Yotal Xvienes

Styrene

This flag is used when the analyse is lound in the blank as well as a sample. It indicates possible probable blank containination and werns the data user to lake appropriate action

Other specific flags and footnoises may be required to properly define Other the results. If used, they must be fully described and such describings

Form I

11/85

J. 9.1

Sample Number Tenax K, 17947 Craxod K, 17950 AA6508/AA6509

Organics Analysis Data Sheet (Page 1)

· -5		17 4 -
Laboratory Name: ITAS Kuoxville	Case No: EGG 73612	0492
Lab Sample ID No: AA6508	QC Report No:	
Sample Matrix: VOST	Contract No:	
Data Release Authorized By: W.7- Lulen	Date Sample Received: 12-17-86	
Volatile Co	mpounds ,	
Concentration: Low	Medium (Circle One)	
Date Extracted/Prepared:	12.30-86	

12-30-86

NA

Percent Moisture: (Not Decanted) _

NA

NA

CAS Number		14/fuse ug/forug/Kg (Circle One)
74-87-3	Chloromethane	50.4
74-83-9	Bromomethane	
75-01-4	Vinvl Chloride	
75-00-3	Chloroethane	T I
75-09-2	Methylene Chlorida	64.
67-64-1	Acetone	1000. 8
75-15-0	Carbon Disulfide	25.5
75-35-4	1, 1-Dichloroethene	25.4
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichloroethene	4
67-66-3	Chloroform	30. B
107-06-2	1, 2-Dichloroethane	25.4
78-93-3	2-Sutanone	390. B
71-55-6	1, 1, 1-Trichloroethane	254
56-23-5	Carbon Tetrachloride	254
108-05-4	Vinyl Acetate	50. u
75-27-4	Bromodichloromethane	25 U

Date Analyzed: __

Conc/Dil Factor: .

CAS Number		ng/fube warforug/Kg (Circle One)
78-87-5	1, 2-Dichloropropane	25.4
10061-02-6	Trans-1, 3-Dichloropropene	
79-01-6	Trichlaroethene	
124-49-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichloroethane	Ļ
71-43-2	Benzene	70.
10061-01-5	cis-1, 3-Dichloropropene	25. U
110-75-8	2-Chloroethylvinylether	50. U
75-25-2	Bromoform	25. U
108-10-1	4-Methyl-2-Pentanone	50.4
591.78.6	2-Hexanone	50. U
127-18-4	Tetrachloroethene	69.
79-34-5	1, 1, 2, 2-Tetrachloroethane	25. U
108-88-3	Toluene	260.
108-90-7	Chlorobenzene	25. y
100-41-4	Ethylperzene	21.
100-42-5	Styrene	190.
	Total Xylenes	140.

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

- Value III find result is a value greater than or equal to the derection limit, report the value.
- U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U feigl. IOU) based on necessary concentration religion action. (This is not necessarily the instrument detection limit.). The footnote should raad. U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
- J. Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1-1 renorms is assumed or rinar line mass spectral data indicated the presence of a compound that meets the identification chieria but the result is less than the appointed detection limit but greater than pero leight 1001. If limit of detection is 10 up 1 and a concentration of 3 up 1 is calculated report as 3.3.
- C. This flag adulies to desticide parameters where the identification has been confirmed by GCPMS. Single component pesticides ≥10 ng/ul in the final estract should be confirmed by GCPMS.
- This flag is used when the analyse is found in the blank as well as a sample. It indicates possible-prohable trans upntainination and werns the data user to take accordingle action.
- Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description artached to the data summary report.

Sample Number 17939,17940

372

Organics Analysis Data Sheet (Page 1)

AA 5862/AA 5863

Laboratory Name: ITAS KNOXVIlle	Case No:EGG:3549
Lab Sample ID No: AA 5862	QC Report No:
Sample Matrix: VOST	Contract No:
Data Release Authorized By: W.T. Wilson	Date Sample Received: 12-9-86

Volatile Compounds

		•		
Concentration:				
Date Extracted/Pr				ويستوسل والمناسة
Date Analyzed:		<u> 2-23-86</u>		
Conc/Dil Factor:	NA	pH	NA	4
Parcent Moisture:				

CAS Number	,	MHibe (Circle One)
74-87-3	Chloromethane	50. W
74-83-9	Bromome***,e	
75-01-4	Vinyl Chlorida	
75-∞-3	Chlorosthane	Ą
75-09-2	Methylene Chloride	110.
67-64-1	Acetona	250, B
75-15-0	Carbon Disulfida	54.
75-35-4	1, 1-Distribrombens	25.4
75-34-3	1, 1-Dichlorosthans	
155-60-5	Trans-1, 2-Dichlorosthane	¥
67-68-3	Chloroform	Z8. B
107-06-2	1. 2-Dichloroethane	25.4
78-93-3	2-Butanone	320. 5
71-55-6	1, 1, 1-Trichloroethane	9. J
56-23-5	Carbon Tetrachlorido	25. L
108-05-4	Vinyl Acetate	50. U
75-27-4	Bramodichioromethane	25 U

CAS Number		ng/tube wattoregring (Circle One)
78-37-5	1, 2-Dichlorogropane	25. U
10061-02-6	Trans-1, 3-Dichloropropene	1
79-01-5	Trichloroethene	
124-48-1	Dibromochiaromethane	
79.∞0-5	1, 1, 2-Trichtoroethane	•
71-43-2	Benzene	150.
10061-01-5	cis-1, 3-Dichtoroprocens	25. U
110-75-8	2-Chlorcethvivinylether	50. U
73-25-2	Bromotorm	25.4
108-10-1	4-Methyl-2-Pentanone	50.U
591-78-6	2-Hexanone	50.U
127-18-4	Tetrachioroethene	25. K
79-34-5	1, 1, 2, 2-Tetrachiorgethane	25.U
108-98-3	Toluene	470.
108-90-7	Chlorobenzene	25. W
:UD-41-4	Ethylbenzene	16.5
100-42-5	Styrene	120.
	Total Xylenes	77-4

Data Resorting Gualifiers

For reporting results to EFA, the following recurs studifiers are used. Additional Rings or founders solutioning resource are oncountiged. However, the deformant of each fine must be expect.

- Value If the result is a value greater than or adizal to the detiction limit, report the value.
- U Indicates compound was analyzed for but this detected. Report the minimum detection time for the same a with the U(a.g., 100) based on necessary concamination robustion oction. (This is not necessarity the instrument detection kimit.). The controle should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for this sample.
- J. Indicates an estimated value. This flag is used either when estimating a concentration for territorially identified community where a 1-1 response is assumed or other the mass spectral data indicated the presence of a compound that meets the operation criteria but the result is rest than the spectrod detection first but greater than zero (e.g., 103). If living of dissection is 10 µg/1 and a concentration of 3 µg/1 is calculated report as 23.
- This flag acquire to existicate parameters where the internetication has seen confurmed by GC 3dS. Simple component pasticides ≥10 rig/ul in the final extract should be confirmed by GC/MS.
- 8 This flag is used when the analyse is found in the otens as well as a sample. It industrial procubile prohable blank curriamination and worms the data user to take objective action.
- Giber Other specific flacs and footnoises may be required to properly defined the results. If used, they must be fully described and such description attached to the data summery report.

Form 1

Sample Number 17941,17942

422

Organics Analysis Data Sheet (Page 1)

AA 5864/AA 5865

Laboratory Name: ITAS Kuszwille	Case No:E4623549
Lab Sample ID No: AA 5864	QC Report No:
Sample Matrix: VOST Data Release Authorized By: 4.7- Wilson	Contract No:
Maladia O.	_

Volatile Compounds

Concentration:			•	
Date Extracted/F	repared	ı: <u>12-</u>	2:	3-81
Date Analyzed: 12-23-8b				
Conc/Dil Factor:				NA
Percent Moisture				

CAS Number	1	ng/tube waster ags kg (Circle Omi)
74-87-3	Chloromethane	1 50.V
74-83-9	Bromomethane	
75-01-4	Vinyl Chloride	
75.00.3	Chloroethane	1
75-09-2	Mathylana Chlorida	1 150.
67-64-1	Acetone	1320. B
75-15-0	Carbon Disulfide	47.
75-35-4	1. 1-Dichlorostnene	25. U
75-34-3	1, 1-Dichlorostnane	25. U
155-50-5	Trans-1, 2-Dichloroethene	25.U
67-66-3	Chloroform	17. JB
107-06-2	1, 2-Dichlorcethane	25.U
73-93-3	2-Butanone	730. B
71-55-6	1, 1, 1-Trichlorpethane	12.5
56-23-5	Carbon Tetrachierida	6.5
109-05-4	Vinyl Acetate	50. U
75-27-4	Bromodichloromethane	25.U

CAS Numbar		19/Jube og/10/09/Kg (Circle One)
78-87-5	1, 2-Dichloropropans	25.U
10061-02-8	Trans-1, 3-Dichloroprocene	1
79-01-6	Trichloroethene	
124-48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichtoroethane	3
71-43-2	Benzene	75.
10061-01-5	cis-1, 3-Oichioropropane	25. W
110-75-8	2-Chloroethvivinviether	50. U
73-25-2	Bromoform	25. U
108-10-1	4-Mathyl-2-Pentanone	50.U
591-78-6	2-Haxanone	5D. U
127-19-4	Tetrachioroethene	ZS. U
79-34-5	1, 1, 2, 2-Tetrachioroethane	25.4
163-88-3	Toluene	130.
108-90-7	Chlorobenzene	25.4
100-41-4	Ethylbenzene	9.7
100-42-5	Styrana	81,
	Total Xylenes	The desirate AD

Data Reporting Qualifiers

wr 1-19-97

For reporting results to EPA, the following results qualifiers are used. Additional flees or foolnoise explaining results are encounaged. However, the defination of each fing must be explicit.

- If the result is a value greater than or equal to the detection limit,
- Indicates compound was analyzed for but hix dictorted. Report the minimum detection limit for the sample with the U.S. g., 1001 based. on necessary concernration/ disution oction. (This is not necessarily the instrument detection limit.) The facinote should read U-Compound was analyzed for piptings screeced. The number is the minimum attainable detection limit for the sample
- Indicates an estimated value. This Itag is used aither when estimating a concentration for tentativity identified compounds where a 1-1 response is assumed or when the moss spectral date indicated the prenence of a compound that meets the elemetication criteria but the result is less than the specified datection limit but greater than zero (e.g., 1QJ). If livnit of patection is 10 yg/l and a concentration of 3 µg/1 is desculated, report as 3J
- This flag applies to considerate perameters where the internal cation has been confirmed by GC-MS. Single component publicates $\gtrsim\!10$ C ngrul in the limal entract thould be confirmed by GC+HS.
- This flag is used when the analyse is found in the blank as will as a sample. It indicates possible probable blank contamination and warms the data user to loke appropriate action

Other The results. If used, they must be fully described and such description. artached to the data summary report

Form I

11/85

,我们就是我们是我们的是一种,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们是我们的,我们就是我们的我们的,我们就

Sample Number 17943,17944 AA 5866/AA 5867

469

Organics Analysis Data Sheet (Page 1)

Laboratory Name:ITAS Kuoxuille	Case No:EGG 73549
Lab Sample ID No: AA 5866	QC Report No:
Sample Matrix: VOST	Contract No:
Data Release Authorized By: W-7- history	Date Sample Received: 12-9-86

Volatile Compounds

Concentration:	Low	Medium	(0	Circle One)	
Date Extracted/Prepared: 12-23-%					
Date Analyzed: 12-23-36					
Conc/Dil Factor:	N/	Δp	H	NA	
Percent Moisture					

CAS	,	ng/tube
Number		(Circle One
74-87-3	Chicromethane	50. U
74-83-9	Bromomethane	
75-01-4	Vinyl Chlaride	
75-00-3	Chlorosthane	¥ .
75-09-2	Methylene Chloride	390.
67-64-1	Acetone	640. B
75-15-0	Carbon Disulfida	57. J
75-35-4	1, 1-Dichlercethere	25.U
75-34-3	1, 1-Dichloroathana	
136-60-5	Trans-1, 2-Dichloroethene	Ÿ
67-66-3	Chloreform	19. JB
107-06-2	1, 2-Dichloroethane	25. U
78-93-3	2-Butanone	180. B
71-55-6	1, 1, 1-Trichloroethane	112.J
56-23-5	Carbon Tetrachloride	6. 3
108-05-4	Vinyl Acatata	50. U
75-27-4	Bromodichloromethane	1 25.4

CAS		ng/tube
Number	•	(Circle One)
78-87-5	1, 2-Dichtoropropane	25. U
10061-02-6	Trans-1, 3-Dichloropropene	
79-01-6	Trichigrostnane	
124-48-1	Dibromochloromethane	
79-∞-5	1, 1, 2-Trichlorosthans	•
71-43-2	Benzene	87.
10061-01-5	cis-1, 3-Dichloropropene	25. U
110-75-8	2-Chloroethylvinylether	50. L
75-25-2	Bromotorm	25.U
108-10-1	4-Methyl-2-Pentanone	50.U
591-78-6	2-Hexanone	50.U
127-18-4	Tetrachiordethene	25. U
79-34-5	1, 1, 2 2-Tetrachtoroethane	25.U
109-88-3	Toluene	180.
108-90-7	Chlorobenzene	25. U
100-41-4	Ethylbenzene	14.7
100-42-5	Styrene	110.
	Total Xv'enes	18.

Date Reporting Qualifiers

For reporting results to EFA, the following results qualifiers are colod. Additional flegs or foothings exclaiming results are encouraged. However, the definition of each fleg must be expect.

Value If the result is a value greater then or equal to the detection limit, report the value

STATE OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE P

學學

- U Indicates compound was analyzed for but not devected. Repair the minimum detection limit for the sample with the U (e.g., 10U) bused on necessary concentration / dilution action. (This is not naticalizately the instrument detection limit.) The fournate should read U-Compound wise analyzed for but not detected. The number is the minimum attendable desection limit for the sample.
- Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1.1 response is assumed or when the mass spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection first but greater than zero (e.g., 10J). If limit of periodic is 10 Jig/1 and a concentration of 3 Jig/1 is calculated, repent as 3J.
- C. This that applies to persiste parameters where the identification has been confirmed by GC+MS. Single component persistents ≥10 ingrial in the final visitact should be confirmed by GC+MS.
- 8 This flag is used when the anahine is found in the blank as well as a sample. It indicates possible prosettle blank contamination and warms the data user to take appropriate action.

Other Specific flags and footnotes may be required to unquerty define the results. If used, they must be fully ramer own — in such description artached to the data summary report.

Forra I

Sample Number 14793, 14796

Organics Analysis Data Sheet (Page 1)

AA 5868/AA 5869

Laboratory Name: ITAS Knowille	Case No:EG6 23549
Lab Sample ID No: AA 5968	QC Report No:
Sample Matrix: VDST	Contract No:
Data Release Authorized By: 41-7 hulin	Date Sample Received: 12-9-8L

Volatile Compounds

Concentration:	Low	Medium	(C	ircle One)
Date Extracted/	repared:	12-	23	-84
Date Analyzed:		12-23-	31	•
Conc/Dil Factor:				
Percent Moisture	e: (Not De	ecanted)	٨	ΙΔ

CAS Number	7	ng/fube
74-87-3	Chloromethane	50.U
74-83-9	Bromomethane	1
75-01-4	Vinyl Chloride	
75-00-3	Chloroethane	•
75-09-2	Methylene Chloride	98.
67-64-1	Acetone	1000. G
75-15-0	Carbon Disulfide	50.
75-35-4	1, 1-0/chloroethene	25. U
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichloroothene	
67-66-3	Chloroform	из. В
107-06-2	1, 2-Dichtoroethane	25. W
78-93-3	2-Butanone	410. B
71-55-6	1, 1, 1-Trichloroethane	25. W.
56-23-5	Carbon Tetrachloride	25. W
108-05-4	Vinyl Acatate	50.U
75-27-4	Bromodichtoromethane	10.5

CAS Number		he Aube ug horug (Kg (Circle One)
78-87-5	1, 2-Dichloropropane	25.4
10061-02-6	Trans-1, 3-Dichloroprocene	
79-01-6	Trichloroethene	
124-48-1	Dibromochioromathana	
79-00-5	1, 1, 2-Trichloroethans	J
71-43-2	Benzene	130.
10061-01-5	cis-1 3-Dichtoropropene	25.U
110-75-8	2-Chloroethylvinvletner	50.U
75-25-2	Bromoform	25.U
108-10-1	4-Methyl-2-Pentanone	50.U
591-78-6	2-Hexanone	50. U
127-18-4	Tetrachtoroethene	25. U
79-34-5	1, 1, 2, 2-Tetrachloroethane	Z5.U
108-88-3	Toluene	500.
108-90-7	Chlorobenzene	25.4
100-41-4	Ethylbenzana	16.5
100-42-5	Styrana	43
	Total Xylenes	42.

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining insults are encouraged. However, the definition of even flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value.

- U Indicates compound was enalyzed for but not detected. Report the minimum detection limit for the sample with the U(e.g., 10U) based on necessary concentration/dirution ection. (This is not necessarily the instrument detection limit.). The follower should read. U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1-1 response is assumed or when the mess spectrel data indicated the presence of a compound that meets the identification criteria but the result is less than the spectred detection firmt but greater than zero (e.g., 10J). If timit of designion is 10 µg/1 and a concentration of 3 µg/1 is calculated report as 3J.
- C. This flag applies to pessicide persimeters where the identification has been confirmed by GC-MS. Single component desticities ≤10 regrul in the final extract should be confirmed by GC-MS.
- 8 This flag is used when the engine is found in the blank as well as a sample. It indicates possible prohibble blank contamination and werns the data user to take appropriate action.

Other specific flags and footnesses may be required to properly define the results. If used, they must be right described and such description attached to the data summary report.

Form 1

Sample Number 14794, 14797

Organics Analysis Data Sheet (Page 1)

(A)A 5870 / AA 5871

Laboratory Name: ITAS Kupxville	Case No: <u>EGG 23549</u>
Lab Sample ID No: (A) A 5870	QC Report No:
Sample Matrix: VOST	Contract No:
Data Release Authorized By: 10.7. Wilson	Date Sample Received: 17-9-86

Volatile Compounds

Concentration:	Low	Medium	(Circle One)
Date Extracted/F	repared	12-	23-86
Date Analyzed: _			
Conc/Dil Factor:			
Percent Moisture			

CAS Number	1	na/fube ug/lerug/Kg (Circle One)
74-87-3	Chioromethane	1 50.U
74-63-9	Bromamethane	1
75-01-4	Vinvi Chloride	
75-00-3	Chloroethane	
75-09-2	Methylene Chloride	96.
67-64-1	Acatona	15000. B
75-15-0	Carbon Disulfide	-多知·从75 。
75-35-4	1, 1-Dichlargethene	25 K
75-34-3	1, 1-Oichloroethane	
136-60-5	Trans-1, 2-Dichloroethene	-
67-65-3	Chloroform	49. B
107-06-2	1, 2-Dichloroethane	25. U
78-93-3	2-Butanone	480. B
71-55-6	1, 1, 1-Trichtorogthane	25. U
56-23-5	Carbon Tetrachloride	25. U
108-05-4	Vinyl Acatate	5C.U
75-27-4	Bromodichloromethane	10. J

	CAS		ng/tube
	Number		(Circle One)
1	78-87-5	1, 2-Dichloropropane	25.4
	10061-02-6	Trans-1, 3-Dichloropropene	
	79-01-6	Trichloroethene	
ĺ	124-48-1	Dibromochloromethane	
	79-00-5	1, 1, 2-Trichloroethane	¥
	71-43-2	Benzene	220.
,	10061-01-5	cis-1, 3-0icntoropropene	25. U
ŧЛ	110-75-3	2-Chloroethylvinylether	50.U
Ì	75-25-2	8ramaform	25.U
ı	108-10-1	4-Methyl-2-Pentanone	50. U
ĺ	591-78-6	2-Hexanone	50, U
I	127-18-4	Tetrachlorgethene	25. U
-	79-34-5	1, 1, 2, 2-Tetrachlorcethane	25.4
	108-88-3	Toluene	T30.
[108-90-7	Chloronenzene	25. U
[100-41-4	Ethylbenzene	21.5
Ī	100-42-5	Styrene	190.
[Total Xvienes	5Q.

Data Resorting Qualifiers

For reporting results to EPA, the following results qualifiers are used.

Additional flags or founding explaining results are encouraged. However, the definition of each flag must be septicit.

- Value If the result is a value greater than or equal to the detection limit, report the value
- U Indicates compound was analyzed for but not detected. People the minimum detection limit for the sample with the U let g. 1001 be said on necessary concentration / dilution action. (This is not necessary the instrument detection limit.). The footnote should read. U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentervely identified combounds where a 1-1 response is essumed or when the mass spectral data indicated the presence of a compound that means the identification criteria but the result is less than the specified detection firms but greater than pero (e.g., 10.0). If time of detection is 10 µg/1 and a concentration of 3 µg/1 is calculated report as 3.J.
- C. This flag applies to pessione per ameries where the identification has been confirmed by GC+MS. Single component sessicities ≥10 ng/ul in the final extract should be confirmed by GC+MS.
- This flag is used when the analyse is fireful in the blank as well as a sample. It indicates possibly orohach blank contain-havior and warms the data user to their appropriate action.

Other specific flags and roomons may be required to properly defend the results. If used, they must be fully denot-bud and such description attached to the data summary report.

Form I

Sample Number 14795, 14793

Organics Analysis Data Sheet (Page 1)

AA5872/AA5873

Laboratory Name: ITAS Kuckville	Case No:E66 23549
Lab Sample ID No: AA 5872	QC Report No:
Sample Matrix: V05T	Contract No:
Data Release Authorized By: W.T. Kultan	Date Sample Received: 12-9-86

Volatile Compounds

Concentration:				• • • • •
Date Extracted/F	repared	1:	. 2	3-86
Date Analyzed: _		12-23-	86	
Conc/Dil Factor:		JA	ρН	NA
Percent Moisture				414

	,	naHube
CAS Number		(Circle One)
74-87-3	Chloromethane	50.U
74-83-9	Bromomethane	,
75-01-4	Vinvt Chtorida	
75-00-3	Chloroethane	¥
75-09-2	Methylana Chlorida	64.
67-64-1	Acetone	3600. B
75-15-0	Carbon Disulfide	Section 32
75-35-4	1, 1-Dichloroethene	25 u
75-34-3	1, 1-Dichtoroethane	
156-60-5	Trans-1, 2-Dichloroethene	₩
67-66-3	Chloroform	42. B
107-06-2	1, 2-Dichloroethane	25. U
78-93-3	2-8utanona	100. B
71-55-6	1. 1. 1-Trichtoroethane	25. L
56-23-5	Carbon Tetrachloride	25.4
108-05-4	Vinyl Acetate	150.U
75-27-4	Bromodichloromethane	10.5

	CAS		ng/tube
	Number		(Circle One)
	78-87-5	1, 2-Dichloropropane	25.U
	10061-02-6	Trans-1, 3-Dichloropropene	75.U
	79-01-6	Trichloroethene	Z5.U
	124-48-1	Qibromochloromethane	5.7
	79-00-5	1, 1, 2-Trichloroethane	25.U
	71-43-2	Benzene	65.
Z	10061-01-5	cis-1, 3-0ichtoroprobene	25.U
-37	110-75-8	2-Chloroethylvinylether	50. U
ı	75-25-2	Bromoform	25. U
ı	108-10-1	4-Methyl-2-Pentanone	50.U
j	591-78-6	2-Haxanone	50.U
	127-18-4	Tetrachloroethene	Z5. U
	79-34-5	1, 1, 2, 2-Tetrachloroethane	25.U
	108-88-3	Toluene	570.
-	108-90-7	Chlorobenzene	25. U
	100-41-4	Ethylbenzene	16.7
Í	100-42-5	Styrene	74.
- 1		Total Xvienes	36.

Date Recorning Qualifiers

For reporting results to EPA, the following results qualifiers are used, Additional flags or footnoises similaring results are incovered. However, the definition of each flag must be explicit.

- Value: If the result is a value greater than or equal to the desection limit, report the value.
- U Indicates compound was analyzed for but not directed. Report the minimum detection limit for the sample with the U (a.g., 10U) based on necessary concentration/obtains action. (This is not necessarily the instrument detection limit.) The footnings should read: U-Compound was analyzed for but not detected. The number is the minimum attainable direction limit for the sample.
- J. Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1.3 response is assumed or when the mass spectral data indicated the presence of a compound that oversitie identification criteria but the result in less than the specified distribution finitely greater than rerol (e.g., 102). If timil of calculors is 10 µg/1 and a concentration of 3 µg/1 is calculated, report as 3J.
- C. This flag applies to praticide oal ameters whose the identification rus been confirmed by GC+MS. Single component pesticides ≥10 ing+ul in the final extract should be confirmed by GC+MS.
- This flag is used when the analyse is found in the blank as well as a sample. It indicates possible probable blank contamination and werns the sata user to lake appropriate action.

 Other specific flegs and footnotes may be required to properly define the results. If used, they must be fully described and such describing attached to the data summary roport.

Form I

Sample Number 14801, 14804

Organics Analysis Data Sheet (Page 1)

AA5878/AA5879

Laboratory Name: ITAS KNOWITE	Case No: <u>EGG</u> 23549
Lab Sample ID No: AA 5878	QC Report No:
Sample Matrix: VOST Data Release Authorized By: W-7: kulan	Contract No:
Volatile Co	mpounds
Concentration: Low	Medium (Circle One)
Date Extracted/Prepared:	12-30-86

Date Analyzed:	17-20-61		
Conc/Dil Factor:	NA	_pH <i>NA</i>	
Percent Moisture:			

CAS Number	7	ng/tube ag/torup/Kg (Circle One)
74-87-3	Chloromethane	50. U
74-83-9	Bromomethane	
75-01-4	Vinyl Chloride	
75-00-3	Chloroethane	*
75-09-2	Methylene Chloride	120.
67-54-1	Acetone	250. U
75-15-0	Carbon Disulfide	25.434
75-35-4	T, T-Dichloromhena	25 4
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichloroethene	-
67-66-3	Chloroform	29. B
107-06-2	1, 2-Dich/orcethane	25.U
78-93-3	2-Butanone	1700 B
71-55-6	1, 1, 1-Trichloroethane	25. U
56-23-5	Carbon Tetrachloride	25. U
108-05-4	Vinyl Acatata	50, U
75-27-4	Bromodichtoromethane	25. U

	CAS Number		ng/fube eg/lorg/kg (Circle One)
	78-87-5	1, 2-Dichtoropropane	25. U
	10061-02-6	Trans-1, 3-Oichtoroprocene	
	79-01-6	Trichlorosthene	
	124-48-1	Dibromochloromethane	
	79-00-5	1, 1, 2-Trichlorgethane	V
	71-43-2	Benzane	380.
لعاجه	10061-01-5	cis-1, 3-Dichloropropene	25. U
11-87	110-75-8	2-Chloroethylvinylether	50.U
	75-25-2	Bromotorm	25.U
	108-10-1	4-Methyl-2-Pentanone	50. u
	591-78-5	2-Hexanone	50.U
į	127-18-4	Tetrachloroethene	230.
	73-34-5	1, 1, 2, 2-Tetrachloroethane	25.4
j	109-88-3	Yoluana	500.
- 1	108-90-7	Chlorobenzene	25.4
	100-41-4	Ethylbenzene	16.5
	100-42-5	Styrene	17c.
		Total Xvienes	40.

Data Resorting Qualifiers

sing require to EPA, the following results matifiers are used. Additional Rags or factricitis evoluting results are encouraged. Ho definition of secti flag must be explicit.

- If the result is a value greater then or equal to the detection limit, report the value
- minimum detection limit for the sample with the U (e.g., 10U) based on necessary concernration/dilution action. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected. The number is the minimum attainabre detection limit for the sample
- Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds wm/re a 1-1 response is assumed or when the mess spectrol data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection fimit but greater than zero (e.g., 10J). If timet of doloction is 10 µg/l and a concentration of 3 µg/1 is calculated, report as 3J
- been confirmed by GC+MS. Single component pessicides≥10. ng/ ut in the final estract should be confirmed by GC/MS
- This flag is used when the analyse is found in the blank as well as a It indicates postable probable blank contamination (ind warns the data user to take ampropriate action

Other specific figes and footnoises may be required to proserve definit the results. If used, they must be fully described and such describes attenhed to the data summary report

Form 1

VOST

Sample Number Method Blank

Organics Analysis Data Sheet (Page 1)

1TBLK 1223 Z

Laboratory Name: ITAS Kuoxville	Case No: EGG 23549 1019
Lab Sample ID No: VTBLK 1223 Z	QC Report No:
Sample Matrix: VOST	Contract No:
Data Release Authorized By: W.T. hilan	Date Sample Received: 12-9-86

Volatile Compounds

Concentration:	Low	Medium	(Circle One)
Date Extracted/P	repared	ı: <u>12-2</u>	3-86
Date Analyzed: _			
Conc/Dil Factor:	N/	<u>}</u> p	+ <u>NA</u>
Percent Moisture			114

CAS Number	,	My Hube (Circle One)
74-87-3	Chloromethane	1 50 U
74-83-9	Bramomethane	
75-01-4	Vinvl Chloride	
75-00-3	Chlorostnane	+
75-09-2	Methylene Chloride	25. U
67-64-1	Acetona	50. J
75-15-0	Carbon Disulfide	25. U
75-35-4	1, 1-Dichloroethene	1
75-34-3	1, 1-Dichloroethane	
156-60-5	Trans-1, 2-Dichloroethche	+
57-36-3	Chloroform	12. J
107-06-2	1, 2-Dichloroethane	25.4
78-93-3	2-Butanone	18.J
71-55-6	1, 1, 1-Trichloroethane	25.U
56-23-5	Carbon Tetrachloride	25.U
108-05-4	Vinyl Acetate	50.认
75-27-4	Bromodichforomethane	25.U

CAS Number	,	ng/tube 1000/100/XQ
78-87-5	1, 2-Dichloropropane	25. U
10061-02-6	Trans-1, 3-Dichloropropene	1
79-01-6	Trichtoroethene	
124-48-1	Dibromochloromethane	
79-00-5	1, 1, 2-Trichloroethane	
71-43-2	Benzene	
10061-01-5	cis-1, 3-Dichloropropens	L
110-75-8	2-Chloroathvivinvietner	50.U
75-25-2	Bromoform	ZS. U
108-10-1	4-Methyl-2-Pentanone	50. K
591-78-5	2-Hexanone	50. W
127-18-4	Tetrachloroethene	25. U
79-34-5	1, 1, 2, 2-Tetrachioroethane	25. U
108-88-3	Toluene	125.4
108-90-7	Chlorobenzene	25.4
100-41-4	Ethylbenzene	1
100-42-5	Styrene	
	Total Xylenes	4

Data Reporting Qualifiers

For resporting results to EFA, the following results qualifiers are used.

Additional flags of footnoises explaining results are encouraged intowever, the definition of each flag must be explicit.

- Velice If the result is a value greater than or equal to the detection limit, report the value.
- U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U leig., 100) based on necessary concentration / dilution action. (This is not neck sample the instrument detection limit.) The fostiones should read. U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit. For the sample.
- J Indicates an assimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1-1 response is assumed or when the mast spectral data indicated the presence of a compound that impers the identification criteria but the result is less than the specified detection limit but greater than zero. Is g., 1021, If limit of detection is 10 ug/1 and a concentration of 3 µq/1 is calculated inspirit as 3.3.
- C. This flag applies to pesticide perameters where the identification has been confirmed by GC+MS. Single component pesticides ≥10 rg/ul in the final extract should be confirmed by GC+MS.
- 8 This tag is used when the analyse is found in the blank as well as a sample. It implicates possible probable blank contamination and werns the data user to take appropriate action.
- Other specific flags and footnotes may be required to properly define the require in used, they must be fully described and such description attached to the data summary report.

VOST

Sample Number Method Blank

Organics Analysis Data Sheet (Page 1)

VTBLK 1230Z

Laboratory Name ITAS Kuoxville	Case No: <u>EG6 23549</u>
Lab Sample ID No. YTBLK 12302	QC Report No:
Sample Matrix: VOST	Contract No:
	Date Sample Received: 12-9-86

Volatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 12-30-86

Date Analyzed: 12-30-86

Conc/Dil Factor: NA pH NA

Percent Moisture: (Not Decanted) NA

CAS Number	,	na/tube egitorayika (Circle One
74-87-3	Chioromethane	50. U
74-83-9	Bromomethane	i
75-01-4	Vinvi Chloride	
75-00-3	Chlorostnane	+
75-09-2	Methylana Chlorida	1.75. W
67-64-1	Acetone	100.5
75-15-0	Carbon Disulfide	25. W
75-35-4	1, 1-Dichloroethene	
75-34-3	1, 1-Dichlorosthane	
156-60-5	Trans-1, 2-Dichloroethene	÷
67-66-3	Chloroform	14.7
107-05-2	1, 2-Dichloroethane	25.U
78-93-3	2-Sutanone	24.5
71-55-6	1, 1, 1-Trichloroethane	25. U
56-23-5	Carbon Tetrachlorida	25. U
108-05-4	Vinvi Acetate	50. U
75-27-4	Bromodichloromethane	25. U

CAS Number		ng/tube	
78-87-5	1, 2-Dichloropropane	25. U	
10061-02-6	Trans-1, 3-Oichlorcoropene	1	
79-01-6	Trichloroethene		
124-48-1	Dibromochloromethane		
79-∞-5	1, 1, 2-Trichloroethane		
71-43-2	Benzene		
10061-01-5	cis-1, 3-Dichloropropane	į.	
110-75-8	2-Chloroetnylvinylether	50. U	
75-25-2	Bromoform	25. W	
108-10-1	4-Methyl-2-Pentanone	50. U	
591-78-6	2-Hexanone	50. U	
127-18-4	Tetrachiordethene	25.U	
79-34-5	1, 1, 2, 2-Tetrachtoroethane	25.U	
108-88-3	Tolizene	125.U	
108-90-7	Chlorobenzene	25.L	
100-41-4	Ethylbenzane		
100-42-5	Styrene		
	Total Xvienes	Ġ.	

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or formores explaining results are encouraged. Hewever, the definition of sect flag must be explicit.

- Value If the result is a value greater than or equal to the detection limit, report the value.
 - U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the UTe § 1001 based on necessary concentration? plution action. (This is not necessarity the instrument detection limit.) The footnote should read. U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
- J. Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified combounds where a 1.1 response is assumed or when the mass spectral data indicated the nersence or a compound that meets the identification criteria but the result is less than the specified detection fimilibut gratter than zero (e.g., 100). If fimilibid detection is 10 µg/1 and a concentration of 3 µg/1 is calculated report as 3.0.
- C. This flag applies to pestitute parameters where the identification has been confirmed by GC+MS. Single component pestitutes ≥10 ng/ul in the final extract should be confirmed by GC+MS.
- 8 This flag is used when the entitle is found in the blank as well as a sample. It indicates costable probable blank containment on and werns the data user to talk appropriate action.

Other specific flags and footnotes in avide required to concert with the the results. If used, they must be fully described and such description anached to the data summers report.

Form I

11/85

1089

Sample Number
NETHOD 8LANK 3

Organics Analysis Data Sheet (Page 1)

VOST CONDENSATE

Laboratory Name: TTAS-KOXG, //e	Case No: EGG	23549
Lub Sample ID No: VOBL 12 253	QC Report No:	
Sample Matrix: WATEL	Contract No:	
Data Release Authorized By: W.T. Willow	Date Sample Received:	12 -986
Voiațiie Co	mpounds	
Concentration: (Low)	Medium (Circle One)	
Date Extracted/Prepared:	12-25-86	
Date Analyzed:	12-29-86	
Conc/Dil Factor:	pH	
Percent Moisture: (Not De	canted) NA	

CAS	7	(va/10)	uu/Ka
Number			ie One)
74-87-3	Chloromethane	U.	10
74-83-9	Bromomethane	U	$ \Gamma$
75-01-4	Vinyl Chlorida	U	
75-00-3	Chloroethane	10	I
75-09-2	Methylene Chloride	3	Z
67-64-1	Acetone	34	
75-15-0	Carbon Disulfide	Ų	50
75-35-4	1, 1-Dichloroethene	Ų	
75-34-3	1, 1-Dichtoroethane	U	$\Box \Box$
156-60-5	Trans-1, 2-Dichloroethene	U	T
57-56-3	Chloroform	5	•
107-06-2	1, 2-Dichloroethane	U	5.0
78-93-3	2-8utanone	U	10
71-55-6	1, 1, 1-Trichloroethane	U	5.0
56-23-5	Carbon Tetrachloride	6	50
108-05-4	Vinyl Acetate	Ų	10
75-27-4	Bromodichloromethane	L	5:0

CAS Numbar		- /	rug/Kg de One)
78-87-5	1, 2-Dichloropropane	U	5.0
10061-02-6	Trans-1, 3-Dichloropropene	U	
79-01-6	Trichloroethene	11	
124-48-1	Dibromochloromethane	U	
79-00-5	1, 1, 2-Trichloroethane	0	
71-43-2	Benzene	U	
10061-01-5	cis-1, 3-Dichloropropene	U	
110-75-8	2-Chloroethylvinylether	U	<i>,</i> $\vec{\omega}$
75-25-2	Bromoform	U	7.0
106-10-1	4-Methyl-2-Pentanone	U	10
591-78-6	2-Hexanone	U	10
127-18-4	Tetrachloroethene	U	5.0
79-34-5	1, 1, 2, 2-Tetrachloroethane	U	
108-88-3	Toluene	14	
108-90-7	Chlorobenzene	J	
100-41-4	Ethylbenzene	U	
100-42-5	Styrene	U	
	Total Xylenes	U	I

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used.

Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explaint.

- Value If the recurs is a value greater than or equal to the detection limit, report the value
- U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U leg., IOU) based on necessary concentration/folluman action. (This is not necessarily the instrument detection limit.). The footnoise should read. U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.
- J Indicates an estimated value. This flag is used either whon estimating a concentration for rentatively identified compluints where a 1.1 response is assumed or when the meet spectral data indicated the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g., 10,1). If limit of detection is 10 µg/1 and a concentration of 2 µg/1 is calculated ineport as 3J.
- C. This flag applies to pesticide parameters where the identification has been confirmed by GC-MS. Single composent pesticides ≥10 ng/ul in the final extract should be confirmed by GC-MS.
- 8 This flag is used when the analyte is found in the blank as well as a sample. It indicates possible-probable blank contamination and warms the data user to take appropriate action.

Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such describion attached to the data summary report.

SHUTTE CHLORICE F-PESTICIDE-(11-114) (14-133) 15 , soutside of QC limits . 1 outside of QC limits - ; outside of QC limits 1-11,0000-PHENOL (11-1803 Contract No. SELLE DECONTRACT COMMAND PHE HOL-85 11-11 out of . It out of out of - SEMI-YOLATILE ITAS-KNOKS, 1/4 Semi-Volatiles: __ FORM # TERPHENYL -DI 4 (1)-(1) 8-71.000-BIPHCNYL (43-116) Confract Laboratory * VALUES ARE OUTSIDE OF CONTRACT REQUIRED OC LIMITS (v.o.v) (36-114) - 4167 CONDENSATE RUNS ETHENE-BA --- VOLATRE---011-113 3 35 C11 977 PS CB#8 NO. EGG 23549 (811-10) 10% 105 \$ 101 16 * * ADVISORY LIMITS CNLY V03+ TOLUEM - 04 (88-110) र्घ 12 603 105 40 100 Comments: Not not lost - 2-C 1281-36 1081-36 - T-156 XX-1-C CHORDEL T#1716 700 1091

WAIEH SURROGATE 1 LRCENT RECOVERY SUMMARY

88 No. E4623549 Contract Labo

200

Contract Laboratory ITAS KNOXVILLE

A CHUNALIIC Contract No.

*	10.WH-00	\$	1.2 BICH, DRO. CTHANG-U4	M180-	BIPHENYL	TERPORTUL- D14		PHE HOL - 03	E-FLUORG-	E.4.6 TRIBROMO-	BMEUFYL - CHLOMENDAY
}	(0), -**)	(311.40)	()4-114)	(34-114)	(01-110)	113-1413		(10-01)	(81-100)	(14-173)	(14-160)
171340 JA5862	105.	109.	153								
PULLA 445864		28.	62.								
11784/18/AA5866		16,	33.								
1711 JA5868		120.	83.								
15 TAN 5870		170.4	9								
147 JAA 5877		96	96.								
1001/4 12 15/18	V	93.	.80								
1113217	105.	0.1.	8					:			
WINKING.	-	107.	95.								
092											
							-	1			
S AALUES	& VALUES ARE CUTSIDE OF CONTRACT	E OF CONTR		REQUIRED DC LIMITS	ITS	Volatiles:	5	out of 4	- 1 outside of OC limits	C limits	
**ADVISO	**ADVISORY LIMITS ONLY	L Y				Semi-Volatiless Pasticides:	llest	out of	- ; outside of QC limits	SC limits	
ı)) 0 D C = 0 C A D	4007	1	4		7. T. A. 1. 1.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0	Ų	
Comments:		50841-11141		4-4 19300-11603		1000	SWA Y	THE TRANSMIST	1	£3 4	

			PESTICIDE	CH CHENTAL	(10-130)																					1/8					
				2,4,6 TRIBROMO-	(11-11)	52.	57.	55.	60	88	200															C Ilmits C Ilmits	C Halte				
_	ct No.		£	1	1	1-11 UONG	(18-110)	79.	74.	æ.	2,6	0 4	75															s outside of QC limits outside of QC limits	outside of QC limits	- 01 C.	
SUMMAHY	Contract No.			P#4 NOL - \$1	(811-118)	.63.	56.	ġ	76	ħħ	አ ዓ	-		J							-					35	Ī '	4			
	6	-	SEMI-VOLATILE					-		-	-		-		-				-	1	1		7			2 out of		AS IN V8-2			
11 HECOVEHY	- Knoxville		5	•				,						1												Volatiless Semi-Volatiless	Pasticidas:	DICUTION			
renc	1.T.A.S.			+ 10 mg mar	(111-111)	55.	63	٦٦	800	156 *	121	-		1								1				Vol.		8Y D			
				B-FLUORG-	(30-114)	TIK.	Ра	70.	96	9,6	88														LIMITS	MITS	1	100			
SOM OUR IE	Contract Laboratory			10.740. 10.16.47.08	(93-130)	55.	φQ.	54.	35	44	6,0															JIRED OC L	•	s MAY BE "DILUTED			
3	3		71LE	LT BICH OFG-	178-111								,													NACT REOL					
	1549	Medkim	VOLATIL	\$	(14-131)																					DE OF CONT	,	304406ATF			
1	Case No. EGG 23549			POLVERE-DB	101-111																					* VALUES ARE CUTSIDE OF CONTRACT REQUIRED OC LIMITS	·				
,	Case No.	Low		9,00		18-1-E	YB-2-6	YB-3-F	VB-1-F DI	30-2-F-M	VR-1-FIL															* VALUES ARE CUTSIDE * *ADVISORY LIMITS CHLY		Comments:			
3	00																10	23						 		¥ 4 *					

FORM II

METHOD BLANK SUMMARY

Contractor TTAS-KNOXLILLE WTW 1-17-87 Case No. FGG Tater Region 2

reaction
17-24 VOA LATTER 16W OWAS
CONDENSATE METHOD

SHW W

VTBLK1223Z 12-23-16 VOA VOST 10N 0NA 4 67-14-1 Actor. VTBLK1223Z 12-23-16 VOA VOST 10N 0NA 4 67-14-3 Chloroform, 12.3 25. VACTOR 12-30Z 12-23-16 VOST 10N 0NA 4 67-14-3 Chloroform, 14.3 32.73		BATE OF PRACTION	MATRIE	13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03 13.03	M31. 10	CAS MUMBER	COMPOUND THEL.TIC OR DHARDEN)	COMC.	ST-15	2
12.30		S VOA	VOST	Ma	0v/4.4	67-64-1	Acctone	50.3	"This	250
2302 R304 VDST Now OWA4 67-64-1 Actions 18 3 4 67-64-3 Chardwar 32-13 4 14 5 18-93-3 2-Partanon 32-13 4 14 5 1 18-93-3 2-Partanon 14 5 1 18-93-3 2-Partanon 14 5 1 18-93-3 2-Partanon 14 5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-Partanon 24-5 1 18-93-3 2-P			_	_	_	67-11-19	Chloroform	12.3		25.
12302 12304 NPA VOST 1MJ OWA 4 67-64-1 Actione 100.3 124.23 12302 12304 NPA VOST 1MJ OWA 4 67-64-1 Actione 100.3 124.23 12304 NPA VOST 1MJ OWA 4 67-64-1 Actione 14. 5 1						78-93-3	2- Butanone	18 T	3-	50.
12302 12308 1208 120 044 60-64-1 Actone 100.3 124 60.2 12502 12308 120 120 120 120 120 120 120 120 120 120	-					17-17-5	Ethaus	26.23		1
12302 12304 104 VOST 18W 0WA4 67-64-1 Actore 100.3 Popular 18. 3 1 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3 2-Partanone 24. 3 J. 18-93-3	2	→	- >	•	→	[unturoum	32.73	→	1
18-95-3 Chardram 14.5 J 18-95-3 Z-Butanone 24.5 J 18-95-3 Z-Butanone 24.5 J 18-95-1 Sutanone 24.5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5 J 18-95-5		VDA	VDST	(M)	0WA4	1-67-69	Actore	100.3	My Jube	282
24.3 J. 18-93.3 Z-13utanone 24.3 J. 18-93.5 V. 18-93.5 Z-13utanone				_		67-66-3	Cheroform	₩.	_	25.
VOST BLANKS	→	<u> </u>	~>	>	\rightarrow	78-93-3	2-Butanone	24.3	· •>	50
Vost BLAWK										
Vost BLANK										
Vost BLANK										
Vost BLANK										
Vost BLANK										
Vost BLANK										
Vost BLANK										
Vost BLANK										
VOST BLANK										
VOST BLANK			•							
Vost BLANK										
VOST BLANK										
	VosT									

FORM IV

CENT RECOVERT DUNIMARY さいたい このいいこのないだ ド

Contract No. Contract Laboratory ITAS Kuoxuille VOLATILE Cass No. E66 23612

The control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the		ب	1 1 1	VOLATILE-	TILE	1	1	1	SEM	SEMI-VOLATILE	1	1		PESTICIDE-
Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest Charlest		TRAFFIC #O.	TOLUENE-DB		1,1 DICHLOAG- ETHANE-D4	MITRO- BENZENE-DS	2-FLUORG-	TERPHENTL-			PHENOL-DS	F-FLUORO	2,4,8 TRISROMO-	AK AK
AAGSCO 127 • 51 • 100. AAGSCO 127 • 51 • 106. AAGSCO 106. 918. 97. AAGSCO 106. 918. 97. AAGSCO 106. 919. 97. AAGSCO 106. 919. 97. AAGSCO 106. 919. 97. AAGSCO 106. 919. 97. AAGSCO 107. 95. MARCH 107. 95. MARCH 107. 95.			(88-110)	(88-118)	(78-114)	(54-114)	(43-114)	(131-10)			(10-01)	(11-100)	(10-133)	(34-134)
A46500 127.	文公	46498	115,	117.	ioi.									
AAGSC 1C6. 119.4 103. AAGSCA 107. 112. 97. AAGSCB 1C6. 98. 97. AAGSCB 1C6. 103.4 160. AAGSCB 105. 107. 98. MWAZJOZ 105. 107. 98. MWAZJOZ 105. 107. 98.	3	\$6500	127.	51.	<u>8</u>									
AAGSOM 167. 1(2. 97. AAGSOG 106. 98. 97. AAGSOG 105. 119. 100. AMGSIO 105. 119. 100. AMGSIO 105. 119. 100. AMGSIO 105. 119. 100. AMGSIO 105. 119. 100. AMGSIO 105. 119. 100. AMGSIO 105. 119. 100. AMGSIO 105. 119. 100. AMGSIO 105. 119. 110. AMGSIO 105. 119. 110. AMGSIO 105. 119. 110. AMGSOM 105. 119. 110. AMGSOM 105. 119. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AMGSOM 105. 110. AM	1	2059	İ	119.*	103.									
AMESIG 106. 98. 97. AMESIG 223.* 160. AMESIG 105. 119.* 101. MINIMAZIOZ 105. 107. 95. MINIMAZIOZ 105. 107. 95.	₹	16.02A	1	[12.	Û.									
AAGSD 223.4 [63.4 [60.] AAGSIO 105. 1191. 101. MYMATSO 105. 107. 95. MYMATSO 105. 107. 95.	₹	46506	1	98.	47.									
AAV6510	₹	16502	1	63.	68									
	₹	16510	}	-19:	101									
	E	442302	1	101.	95.									
	_													
AC ,	<u> </u>													
AC 1														
AC ,	Ĺ													
AC ,	L													
AC ,					•									
AC ,														
AC 1	_													
AC ,														
AC 1														
AC 1														
AC 1														
AC 1	L													
7														
, , , , , , , , , , , , , , , , , , ,														
74														
						4		-						_

.; outside of QC limits -; outside of QC limits out of out of __ out of Semi-Volatiles: Pesticides: Volatiles: * VALUES ARE OUTSIDE OF CONTRACT REQUIRED OC LIMITS **ADVISORY LIMITS ONLY Comments:

1000

10.5

JOIL SURNICIAL E PERC. IT RECOVERY SUMMARY

Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest Courtest	Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cottmeries Cot	70 Case K	O. EGGE 3.	3612	3	Contract Laboratory		I.T.A.S K	Knoxville		, and a	2		
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	1	₹ 00		Medium			•							
1,1,2,5 1,2,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,			1		1 1 1 1	1 1 1 1	1	1 1 3	MI-VOLATILE	1 1	1 1 1	1 1	PESTICIDE
Mar. St. Park Mar. Mar. Mar. Mar. Mar. Mar. Mar. Mar.	Activity Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Columents Colum	37.74	נסר חנאל - 00	•	1,8 0,041,040- [Thank-04	#/180- BENZENE-DB	B-FLUDAD- BIPHENTE	TEAPHENTL -			PHENOL-88	1-11000- PHEXOL	1.4.8 TRIBROUG-	DIBUTT.
Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked Marked M	Mr. S.F. W. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep. Sep.		\perp	114-1111	(10-111)	(81-110)	(10-114)	111-1311			(11-113)	01-11	(11-111)	041-C
14.5.5 F 14.5.6 F 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5	12.5.F 16.7 16.7 16.7 16.8 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5	XAO BRINK				46.	Slo	53.			۲٦.	58.	49.	
1	(45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45) (45)	YA-5- F				.25	80.	(e.1.	<u>'</u> 		.LaJ	٩3.	,e3.	
AAAJSH Teachtal 46. 46. 46. 47. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49. 49	AAAJU Texticita 45, 55, 71, 47, 64, 46, 46, 46, 46, 46, 46, 46, 46, 46	100-	, N. J. B.			.0۵	93	Se. 1			(15.	86.	Se	
* VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS Send-Volatiless — out of —24 to uside of QC limits Send-Volatiless — out of —24 to uside of QC limits Pasticidess — out of —1 to uside of QC limits Contracting	* VALUES ARE COTSIDE OF COATRACT REQUIRED QC LIMITS * VALUES ARE COTSIDE OF COATRACT REQUIRED QC LIMITS * PALCIGASI ControlorMs: ControlorMs:	AAL314	Free art that			45.	55.	71,			47.	Lq.	<u>ફ</u>	
* Values are cutside of OC Limits * Values are cutside of OC limits * Semi-Volatiliss: Out of 24-1 outside of OC limits * Semi-Volatiliss: Out of 24-1 outside of OC limits * Paticides: Out of 24-1 outside of OC limits * Comments:	* VALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT REQUIRED DO LIMITS * PALUES ARE CUTSIOE OF CONTRACT													
* VALUES ARE CUTSIDE OF COATRACT REQUIRED QC LIAITS * VALUES ARE CUTSIDE OF COATRACT REQUIRED QC LIAITS Semi-Volatiliss:	* VALUES ARE CUTSIDE OF CONTRACT REQUIRED OC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED OC LIMITS Semi-Volatiliss: O out of 24 i wiside of OC limits Pasticidas: O out of 24 i wiside of OC limits Contractas:													
** VALUES ARE CUTSIDE OF CONTRACT REQUIRED OC LIMITS *** VALUES ARE CUTSIDE OF CONTRACT REQUIRED OC LIMITS *** Sem—Volatiless: Out of 24 is outside of OC limits *** Pasticidas: Out of 24 is outside of OC limits *** Corrnesma:	* VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS **PAUVISORY LIMITS CALLY **PAUVISORY LIMITS CALLY **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limits Cally **Pauvisory Limit							•						
* VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * PALUES ARE CUTSIDE OF CONTRACT	* VALUES ARE CUTSIDE OF CONTRACT REQUIRED OC LIMITS * PALUES ARE CUTSIDE OF CONTRACT REQUIRED OC LIMITS * Semi-Volatiless O out of 24 to outside of QC limits Semi-Volatiless O out of 24 to outside of QC limits Fasticidass out of 24 to outside of QC limits Fasticidass out of 24 to outside of QC limits Footmands:				,									
* VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS Semi-Volatilias: Out of 24 is outside of QC limits Semi-Volatilias: Out of 24 is outside of QC limits Pasticidas: out of 24 is outside of QC limits Pasticidas: Outside of QC limits Contractals:	* VALUES ARE CUTSIDE OF COATRACT REQUIRED OR LIMITS * VALUES ARE CUTSIDE OF COATRACT REQUIRED OR LIMITS * VALUES ARE CUTSIDE OF COATRACT REQUIRED OR LIMITS * VALUES ARE CUTSIDE OF COATRACT REQUIRED OR LIMITS * VALUES ARE CUTSIDE OF COATRACT REQUIRED OR LIMITS * Values Are coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract of the coatract													
* VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS Semi-Volatiles: O out of 24 1 outside of QC limits Pasticides: out of 24 1 outside of QC limits Pasticides: Out of 24 1 outside of QC limits Corments:	* VALUES ARE COTSIDE OF COMTRACT REQUIRED QC LIMITS * VALUES ARE COTSIDE OF COMTRACT REQUIRED QC LIMITS * VALUES ARE COTSIDE OF COMTRACT REQUIRED QC LIMITS * VALUES ARE COTSIDE OF COMTRACT REQUIRED QC LIMITS * Values ARE COTSIDE OF COMTRACT REQUIRED QC LIMITS * Semi-Volations * Semi-Volations * CorrnerAR: CorrnerAR: CorrnerAR:													
* VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * Semi-Volatiles: out of	* Values are cutside of OC limits * Values are cutside of OC limits * Sem—Volatiles: O out of													
* VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUE ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUE ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUE ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUE ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUE ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUE ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUE ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUE ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUE ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUE ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUE ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUE ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUE ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUE ARE CUTSIDE OF CONTRACT REQUIRED QC L	* VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * DALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * DALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * DALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * DALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * DALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * DALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * Sem—Volatiles: Contraction: * Out of													
* VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * Semi-Volatiliss: O out of 24 1 outside of QC limits Semi-Volatiliss: O out of 24 1 outside of QC limits Pasticidas: O out of 24 1 outside of QC limits Comments:	* VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * Semi-Volatiless * Semi-Volatiless * Semi-Volatiless * Contraction * Contraction * Out of 24 is outside of QC limits * Pasticidess * Out of 24 is outside of QC limits * Pasticidess * Out of 24 is outside of QC limits * Out of 24 is outside of QC limits * Out of 24 is outside of QC limits * Out of 24 is outside of QC limits * Out of 24 is outside of QC limits * Out of 24 is outside of QC limits * Out of 24 is outside of QC limits * Out of 24 is outside of QC limits													
* VALUES ARE CUTSIDE CF CONTRACT REQUIRED QC LIMITS * DADVISCRY LIMITS CHLY Pasticidas: Cormonals:	* VALUES ARE CUTSIDE OF COATRACT REQUIRED OC LIMITS ** ADVISCRY LIMITS CALLY ** ADVISCRY LIMITS CALLY ** Desticides: ** Coarmem's: ** Coarmem's:													
* VALUES ARE CUTSIDE OF COATRACT REQUIRED QC LIMITS * Daticides: Corrnerts: Corrnerts:	* VALUES ARE CUTSIDE OF CONTRACT REQUIRED QC LIMITS * ADVISCRY LIMITS CALLY * Sem—Volatiliss: On of 24 i outside of QC limits Sem—Volatiliss: On out of 24 i outside of QC limits Pasticidas: Out of 24 i outside of QC limits CorrnerAs:								-					
OF COMTRACT REQUIRED QC LIMITS Semi-Volatiless: OF COMTRACT REQUIRED QC LIMITS Semi-Volatiless: OF COMTRACT REQUIRED QC LIMITS Semi-Volatiless: Of COMTRACT REQUIRED QC LIMITS Semi-Volatiless: Of COMTRACT REQUIRED QC LIMITS Semi-Volatiless: Of COMTRACT REQUIRED QC LIMITS Semi-Volatiless: Of COMTRACT REQUIRED QC LIMITS Semi-Volatiless: Of COMTRACT REQUIRED QC LIMITS Semi-Volatiless: Of COMTRACT REQUIRED QC LIMITS Semi-Volatiless: Of COMTRACT REQUIRED QC LIMITS Semi-Volatiless: Of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of Comtract of	OF COMTRACT REQUIRED QC LIMITS Semi-Volatilias: Owt of													
OF CONTRACT REQUIRED QC LIMITS Semi-Volatiless Semi-Volatiless Semi-Volatiless Out of 24 1 outside of QC limits Semi-Volatiless Out of 24 1 outside of QC limits Pesticidess Out of 24 1 outside of QC limits	OF COMTRACT REQUIRED QC LIMITS Semi-Volatilias: OF COMTRACT REQUIRED QC LIMITS Semi-Volatilias: OF COMTRACT REQUIRED QC LIMITS Semi-Volatilias: Out of 24 i outside of QC limits Pasticides: Out of 24 i outside of QC limits Pasticides: Out of 24 i outside of QC limits Pasticides: Out of 24 i outside of QC limits													
OF COMTRACT REQUIRED QC LIMITS Semi-Volatiless Desticidess Out of 24 1 outside of QC limits Pesticidess Out of 24 1 outside of QC limits Pesticidess	OF CONTRACT REQUIRED QC LIMITS Semi-Volatiless Out of													
OF CONTRACT REQUIRED QC LIMITS Semi-Volatiless Pasticidess out of 24 1 outside of QC limits Semi-Volatiless Out of 24 1 outside of QC limits Pasticidess particidess	OF COMTRACT REQUIRED QC LIMITS Semi-Volatiless Semi-Volatiless Semi-Volatiless Desticidess Out of 24 1 outside of QC limits Pesticidess Out of 24 1 outside of QC limits Pesticidess													
OF CONTRACT REQUIRED QC LIMITS Semi-Volatiless OF CONTRACT REQUIRED QC LIMITS Semi-Volatiless Desticidess Out of 24 1 outside of QC limits Pasticidess Out of 24 1 outside of QC limits	OF CONTRACT REQUIRED QC LIMITS Semi-Volatiless Desticidess Out of 24 1 outside of QC limits Pasticidess Out of 24 1 outside of QC limits Pasticidess													
OF CONTRACT REQUIRED QC LIMITS Volatiles: Out of 24 1 outside of QC limits Semi-Volatiles: Out of 24 1 outside of QC limits Pasticides: out of 24 1 outside of QC limits	OF CONTRACT REQUIRED QC LIMITS Semi-Volatiless Semi-Volatiless Desticidess Out of toutside of QC limits Pasticidess Out of toutside of QC limits Pasticidess Out of toutside of QC limits													
OF CONTRACT REQUIRED QC LIMITS Volatiless out of 24 1 outside of QC limits Semi-Volatiless O out of 24 1 outside of QC limits Pasticidess out of 1 outside of QC limits	OF COMTRACT REQUIRED OC LIMITS Volatiles: Ont of 24 soutside of QC limits Semi-Volatiles: Ont of 24 soutside of QC limits Pasticides: out of 1 outside of QC limits													
OF CONTRACT REQUIRED QC LIMITS Volstilless Out of 24 1 outside of QC limits Semi-Volstilless O out of 24 1 outside of QC limits Pasticidess out of 24 1 outside of QC limits	OF CONTRACT REQUIRED QC LIMITS Semi-Volatiless Out of 24 1 outside of QC limits Semi-Volatiless Pesticidess out of 24 1 outside of QC limits Pesticidess													
OF CONTRACT REQUIRED OC LIMITS Volatilias: out of 24 1 outside of QC limits Semi-Volatilias: O out of 24 1 outside of QC limits Pasticidas: out of 24 1 outside of QC limits	OF CONTRACT REQUIRED OC LIMITS Volatilias: out of 1 quiside of QC limits Semi-Volatilias: 0 out of 24 putside of QC limits Pasticides: out of 24 putside of QC limits								$\frac{1}{ }$					
CF CONTRACT REQUIRED DC LIMITS Volstilless out of 24 1 outside of QC limits Semi-Volstilless O out of 24 1 outside of QC limits Pesticidess out of 1 outside of QC limits	CACANTRACT REQUIRED DC LIMITS Volstilless out of 24 1 outside of QC limits Semi-Volstilless O out of 24 1 outside of QC limits Pasticidess out of 1 outside of QC limits													
Pasticidas: out of	Pasticidas: out of	▼ VALUE:	S ARE CUTSIL	200 do 30	HACT REOL	JIRED OC LIA	WITS	Volatiles		1	24	outside of Q	C IImits	7/85
		TADVISC	AY LIMITS OF	ړٍ پړ				Pasticide		1	4	outside of Quentialde of Qu		
		Comme												
			•						-					
		-	***************************************	- Caracana description of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the Contract of the										

....... Compount I cent necovent surimant

-- F.PESTICIDE-(34-184) . ; outside of QC limits 2-FLUOND-(31-100) _ Contract No. ---- SEMI-VOLATILE -----PHE NOL - 85 (10-01) out of Case No. EGG 23612 Contract Laboratory TIAS- ENDXUILL& TERPHENTL-D14 (13-141) 11.9/01 2-FLUONG-BIPHENTL (43-110) ----- VOLATILE --- ----* VALUES ARE CUTSIDE OF CONTRACT REQUIRED OC LIMITS not showith BENZENE-03 (36-114) THANG-04 92 (10-01) S da 101 (11-11) 108 105 3 TOLUCHE-DB 108 (011-99) 106 103 WEE-E-E 1055-5-C 1×1-6-6 Park Jack. 1 0003

-; outside of QC limits

out of .

Semi-Volatiles: Pesticides:

* ADVISORY LIMITS ONLY

Commerts:

METHOD BLANK SUMMARY

Contract No. Contractor TTAS - KNOKLIE IL Case No. EGG 23612 Reylont

1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	FLE 10 OALTON	FRACTION	## T	55 83	MS1.30	CAS NUMBER	1 1		Care FS	CADL
Laterone 37 Agle	اري الم	100g	AATTER	3 -	N S -	75-04-2		h i	2/gm	0.5
	-	$\perp \downarrow$	1	+	+	2-99-69		1	tha L	5.0
								١.	þ	
				-						

:000

Contract No.

FORM IV

MEIHUU L.ANK SUMMARY

Contractor ITAS Knowille

250. 25. 50. 7050 1003 ng/46 Š 14.7 COMC. COMPOUND THIS .TIC OR UNKNOWN) 2-Butanone Chloroform Acetone 78-93-5 67-66-3 1-47-65 CAS HUMBER MST. 10 CWA4 1450 2 נפאני. נפאני ωa VOST MATRIX DATE OF FRACTION 12-30-86 VOA included Commants: * Trek JTGK12302

9000

Case No. Effel3612 Region

Laboratory ID: ITAS Knoxville Case: EG&G Concentration Units: ug/g

Inorganics Data Summary Soil Samples

AD-6	34.80 10.82 0.70 0.01
AD-5	110.00 11.99 0.70 0.01 U
AD-3	70.00 11.10 1.00 0.01 U
AD-2	93.00 10.74 0.50 U
AD-1	110.00 11.55 0.50 U
;	a
Analyte	SULFIDE PH CYANIDE CYANIDE (ZP)

>

* - Concentration Units: ug/L

NA - Analysis not requested.

U - Not detected. The value reported is the required detection limit.

J - Detected, but at a level less than the required detection limit. This is an estimated value.

y ID: ITAS Knoxville		ue/1.
ITAS		Jnita:
ä		on
Laboratory	Case: EG&G	Concentration Units: ug/l.
abor	:ase:	Conce

	•	
	POTW	NA 2.00 7.70
	NaOH BIK	0.50 NA NA
Inorganics Data Summary Stack/Water Samples	VB-1-C1- VB-2-C1- VB-3-C1- VB-5-C1- VB-6-C1-	0.50 NA
Inorganics Data Summan Stack/Water Samples	VB-5-C1-	0.80 NA NA
	VB-2-C1- VB-3-C1-	0.50 NA NA
oxville 3/L	VB-2-C1-	1.30 NA NA
ID: ITAS Kno on Unita: ug	Analyte VB-1-Cl-	1.00 NA NA
Laboratory ID: ITAS Knoxville Case: EGAG Concentration Units: ug/L	Analyte	CHLORID E BOD COD

NA - Analysis not requested.

U - Not detected. The value reported is the required detection limit.

J - Detected, but at a level less than the required detection limit. This is an estimated value.





5815 Middlebrook Pike • Knoxville. Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED: January 19, 1987
PROJECT CODE EGG 23550
ORDER NUMBER 5036.2.2
PAGE OF

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: Three (3) ash samples received December 9, 1986

Concentration units are µg/gram (ppm) on a dry weight basis unless otherwise stated

	Cyanide	Sulfide	pH (standard units)
AD-1	<0.5	110	11.55
AD-2	<0.5	93	10.74
AD-3	1.0	70.	11.10

Approved by Assistant Laboratory Manager

Title

Accredited by the American Association for Laboratory Accreditation in the chemical field of feeting as used in the current AALA Directory of Accredited Laboratories

13-4-85





5815 Middlebrook Pike • Knoxville, Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO: EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED: January 19, 1987
PROJECT CODE: EGG 23609
ORDER NUMBER: 5036.2.2
PAGE OF

RE: USAF NC8C Full Scale Demo - 12/86

Sample Description: Two (2) soil and two (2) ash samples received December 19, 1986 Concentration units are µg/gram (ppm) on a dry weight basis unless otherwise stated

	Cyanide	<u>Sulfide</u>	pH <u>(standard units)</u>
FS-6	<0.6	17	7.27
AD-6	0.7	34	10.82
FS-5	<0.6	18	7.24
AD-5	0.7	110	11.99

Approved by Assistant Laboratory Manager

Title







5815 Middlebrook Pike • Knoxville, Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED January 19, 1987
PROJECT CODE EGG 23550
ORDER NUMBER: 5036.2.2
PAGE OF

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: One (1) ash sample received December 9, 1986

Concentration units are mg/liter (ppm) in the extract unless otherwise stated

	AD-3
Cyanide	<0.01
pH (standard units)	6.97
Liquid to Solid Ratio (vol.)	0
Original Weight (solids)	100.04 g
Final Volume (extract)	950 ml

Sample extracted in accordance with "EP Toxicity Test - Extraction Procedure," Federal Register, Vol. 45, No. 98, p. 33127-33128.

Assistant Laboratory Manager

Tifl●







5815 Middlebrook Pike • Knoxville. Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED: January 19, 1987
PROJECT CODE: EGG 23609
ORDER NUMBER: 5036.2.2
PAGE _____OF ____

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: Two (2) ash samples received December 19, 1986

Concentration units are mg/liter (ppm) in the extract unless otherwise stated

	<u>AD-6</u>	AD-5
Cyanide pH (standard units)	<0.01 6.65	<0.01 6.85
Liquid to Solid Ratio (vol.) Original Weight (solids) Final Volume (extract)	0 50.00 g 975 ml	0 100.11 g 940 ml

Sample extracted in accordance with "EP Toxicity Test - Extraction Procedure," Federal Register, Vol. 45, No. 98, p. 33127-33128.

Assistant Laboratory Manager

Title

Accredited by the American Association for Laboratory Accreditation in the chemical below of festing as used in the current AALA Directory of Accredited Laboratores

13-4-15





5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED January 19, 1987
PROJECT CODE EGG 23549
ORDER NUMBER 5036.2.2
PAGE OF

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: Three (3) liquid samples received December 9, 1386

Concentration units are mg/liter (ppm) unless otherwise stated

	Chloride	Total Sample Volume (liters)
VB-1-C1-	1.0	0.20
V8-2-C1-	1.3	0.04
V8-3-C1-	0.5	0.29

Accroved CV Assistant Laboratory Manager

T.tle

10-1-0





5815 Middlebrook Pike • Knoxville, Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

70: EG&G Idaho, Inc. ATTN: Alan Propp 1955 Fremont Avenue Idaho Falls, ID 83415 DATE REPORTED: January 19, 1987
PROJECT CODE: EGG 23612
ORDER NUMBER: 5036.2.2
PAGE OF OF

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: Three (3) liquid samples received December 17, 1986

Concentration units are mg/liter (ppm) unless otherwise stated

	Chloride	Total Sample Volume (liters)
V8-5-C1-	0.8	0.30
VB-6-C1-	0.5	0.26
NaOH Blank	0,5	0.51

Approved by Assistant Laboratory Manager

Title







5815 Middlebrook Pike • Knoxville, Tennessee 37921 • 615-588-6401

CERTIFICATE OF ANALYSIS

TO:	EG&G	Idaho,	Inc.	
	ATTN:	Alan	Prop	ρ
	1955	Fremont	Ave	nue
	Idaho	Falls,	ID	83415

DATE REPORTED. January 19, 1987
PROJECT CODE. EGG 23610
ORDER NUMBER: 5036.2.2 PAGE____OF

RE: USAF NCBC Full Scale Demo - 12/86

Sample Description: One (1) water sample received December 18, 1986

Concentration units are mg/liter (ppm)

Chemical Biochemical | Oxygen Demand Oxygen Demand 7,7

POTW, 12/18/86

Title



OTHER MISCELLANEOUS ANALYSES

		RIS.		PRODUCED		-		
PROJECT				am. Type				
EGG23549	AA5859	VOST-1-C	11	,				
	A A5 86 0	VOST-2-C	12	2				
		VOST-3-C	12 6	2				
	AA5862	17939	6	1				
		17940						
			6					
	AA5865	17942	6					
	AA5 866	17943	6					
	AA5 867		6					
			61					
	AA5 86 9		61					
	AA5870		61					
	AA5 87 1		61					
	AA5872		61					
	AA5873	* * * * * * * * * * * * * * * * * * * *	61					
		* 1, 2, 2	61					
			61					
			61					
	AA5877		61					
	AA5 87 8		61					
_	AA5 87 9		61					
EGG23612	AA6496		12					
	AA6497	VOST-6-C 14812	12	-				
			61					
	AA6499		61					
	AA6500 AA6501	14013	61 61					
	AA6501	14010	61					
			61					
			61					
	AA6505	17945 17088	61					
			61					
			61					
			61					
	AA6509		61					
	446510	Tenax blank	61					
	AACE11	Charcoal Blank	61					
	A.ROOII	Charcoar brank	01					

SAM. TYPE - 12= VOST COMDENSATE, 61= VOST TUBE

	LH ANALYSI		=	PRODUCED ON 0:/17/87 AT 15:56	
PROJECT		CLIENT #		lm. Type	
EGG23548	AA5 837	ENT-B	01		
		ENT-1	01		
	AA5 839	ENT-2	01		
EGG23549		VB-1-F	63	} .	
	AA5845	VB-2-F	63	}	
	AA 5846	VB-3-F	63	!	
	AA5847	VB-1-XAD	61		
	AA5848	VB-1-PW	12	?	
	AA5849	VB-1-C	12	?	
	AA5 850	VB-2-XAD	61		
	AA5 851	VB-2-PW	12	?	
	AA5852	VB-2-C	12	?	
		VB-3-XAD	61		
		VB-3-PW	12		
	AA5855	VB-3-C	12		
EGG23550		FS-1	31		
		FS-2	31		
	-	FS-3	31		
		AD-1	31		
		AD-2	31		
		AD-3	31		
		FS-1 QC	31		
		FS-1 QC	31		
EGG23609	_	FS-6	31		
		AD-6	31		
		FS-5	31		
		AD-5	31		
		AD-5	31		
		AD-5	31		
50000(40		BS-1	31		
EGG23610		ENT 5	01		
		ENT-6	01		
		POTW	01		
	AA6467	CW	01		
F0000640		WB1			
EGG23612		XAD Blank	61		
		VE-5-XAD	61		
		VB-5-PW VB-5-C	12		
			61		
	-	VB-6-XAD VB-6-PW	12		
	_	VB-6-C	12		2
		VB-5-F	63		
	-	VB-6-F	63		
	AA6814		_		
	AA0 6 1 4	T Blk 791, ReagentBLK	12		

SAM. TYPE - 01=WATER, 31=SOIL, 12,61,63=STACK COMPONENTS

EG&G - TOXAPHENE/PCB ANALYSIS PRODUCED ON 01/17/87 AT 17:31 PAGE 1 PROJECT SAMPLE # CLIENT # SAM. TYPE EGG23548 AA5831 ENT-B 01 ENT-1 ENT-2 AA5832 01 AA5833 01 EGG23549 AA5844 VB-1-F 63 AA5845 VB-2-F 63 AA5 846 VB-3-F 63 AA5 847 VB-1-XAD 61 AA5 848 VB-1-PW AA5849 VB-1-C 12 AA5850 VB-2-XAD 61 AA5 851 VB-2-PW 12 12 AA5852 VB-2-C AA5 853 VB-3-XAD 61 AA5 854 VB-3-PW 12 AA5 855 VB-3-C . 12 EGG23550 AA5896 FS-1 31 AA5 897 FS-2 31 AA5898 FS-3 31 AA5899 AD-1 31 AA5900 AD-2 31 AA5901 AD-3 31 AA5902 FS-1 QC 31 FS-1 QC AA5903 31 EGG23609 AA6420 FS-6 31 AA6421 AD-6 AA6422 FS-5 31 AA6423 AD-5 31 AA6424 AD-5 AA6425 AD-5 31 AA6:46 BS-1 EGG23610 AA6452 ENT 5 01 AA6457 01 ENT 6 AA6460 POTW 01 AA6465 CM 01 WB1 AA6471 01 EGG23612 AA6487 IAD Blank 61 AA6488 VB-5-XAD 61 AA6489 VB-5-PW 12 AA6490 ₹3-5-C 12 AA6491 VB-6-IAD 61 116492 73-6-PY 12 AA6493 7B-6-C 12 AA6512 VB-5-F 63 AA6513 VB-6-F 63 AA6814 T Blk 791, RaagentBLX 12

SAM. TYPE - 01=WATER, 31=SOIL, 12,61,63=STICK COMPONENTS

EG&G - HERBICIDE ANALYSI3 PRODUCED ON 01/17/87 AT 18:52 PAGE 1

PROJECT	SAMPLE #	CLIENT #	SAM. TYPE
EGG23548	AA5834	ENT-B	01
	AA5 835	ENT-1	01
	▲A5 836	ENT-2	01
EGG23549	AA 5844	¥3-1-F	63
	AA5845	VB-2-F	63
	AA5846	VB-3-F .	63
		VB-1-XAD	61
	AA5 848	VB-1-FW	12
	AA5849	VB-1-C	12
	AA5850	VB-2-IAD	61
	AA5851	VB-2-PW	12
		VB-2-C	12
	AA5 853	VB-3-XAD	61
	AA5 854	VB-3-PW	12
FCCCCEC	AA5 855	VB-3-C	12
EGG23550	AA5904 AA5905	FS-1	31 31
	AA5 906	FS-2 FS-3	31
	AA5907		31
	AA5908	AD-2	31
	-	AD-3	31
	AA5910	FS-1 QC	31
	AA5911		31
EGG23609		FS-6	31
		AD-6	31
	AA6428	FS-5	31
	AA6429	AD-5	31
	446430	AD-5	31
	AA6431	AD-5	31
	AA6447	BS-1	31
EGG23610	AA6453	ENT 5	01
		ENT 6	01
	AA6460	POTW	01
		CH	01
	AA6472	WB1 ZAD Blank	01
E0G23612			61
		YB-5-11D	61
		YB-5-FY	12
		73-5-C	12
		73-6-IAD	61
	A45492 A46493	\$72-6-PW	12 12
	AA6512	.VB-6-C VB-5-7	63
	AA6513	₹8-5-r ₹8-6-F	63
	AA6814	T Blk 791, ReagentBLX	12
	WAND 1 4	T DIE IAI LEGRETTUTY	12

SAM. TYPE - 01=WATER, 31=SOIL, 12,61,63=STACK COMPONENTS

EG&G - HERBICIDE ANALYSIS	PRODUCED ON 01/17/87 AT 18:59	PAGE 2
	2===2==================================	=======

PROJECT	SAMPLE #	CLIENT #	SAM. TYPE
EGG23611	AA6477 AA6478 AA6479 AA6480 AA6481 AA6482 AA6483 AA6484 AA6485	14820 14821 14822 14749 17962 17963 17964 17966 17967	63 63 63 63 63 63 63 63 63
	AA6486	17968	63

SAM. TYPE - 63=AIR FILTER

		YSIS PRO	DUCED ON 01/17/87 AT 18:08		1
1			SAM. TYPE		
			01		•
			01		
	A 15 842		01		
	AA5 843		01		
EGG23550			31		
	AA5921		31		
	AA5922		31		
	AA5923		31		
	AA5924		31		
	AA5 925		31		
	AA5 926		31		
	AA5927	FS-1 QC	31		
EGG23609	AA6438	FS-6	31 ,		
	AA6439		31	-	
	AA6440	FS-5	31		
	AA6441	AD-5	31		
•	AA6442		31		
	AA6443		31		
	AA6449		31		
EGG23610	AA6455	ENT 5	01		
	AA6458	ENT 6	01		
		POTW	01		
	AA6468	CM	01		
		WB1	01		
**		BB5	01		
	AA6476	B26	01		

SAM. TYPE - 01=WATER, 31=SOIL

PRODUCED ON 01/18/87 AT 14:08 PAGE 1

PROJECT	SAMPLE #	CLIENT #	SAM. TYPE	TEST.DESC
EGG23549	AA5 856 AA5 857 AA5 858	VB-1-C1 VB-2-CL VB-3-C1	12 12 12	Chloride Chloride Chloride
EGG23550	AA5923	AD-1	31	Cyanide Sulfide pH
	AA5924	AD-2	31	Cyanide Sulfide pH
	AA5 925	AD-3	31	Cyanide Sulfide

31

31

12

pН

Cyanide

Sulfide pH

Cyanide Sulfide pH

Chloride

EGG23610 AA6462 POTW,12-18-86 01 BOD (5-day) COD
EGG23612 AA6494 VB-5-C1 12 Chloride AA6495 VB-6-C1 12 Chloride

SAM. TYPE - 01=WATER, 31=SOIL, 12=NaOH

AA6712 NaOH Blank

EG&G - INORGANIC ANALYSIS

EGG23609 AA6439 AD-6

AA6441

AD-5